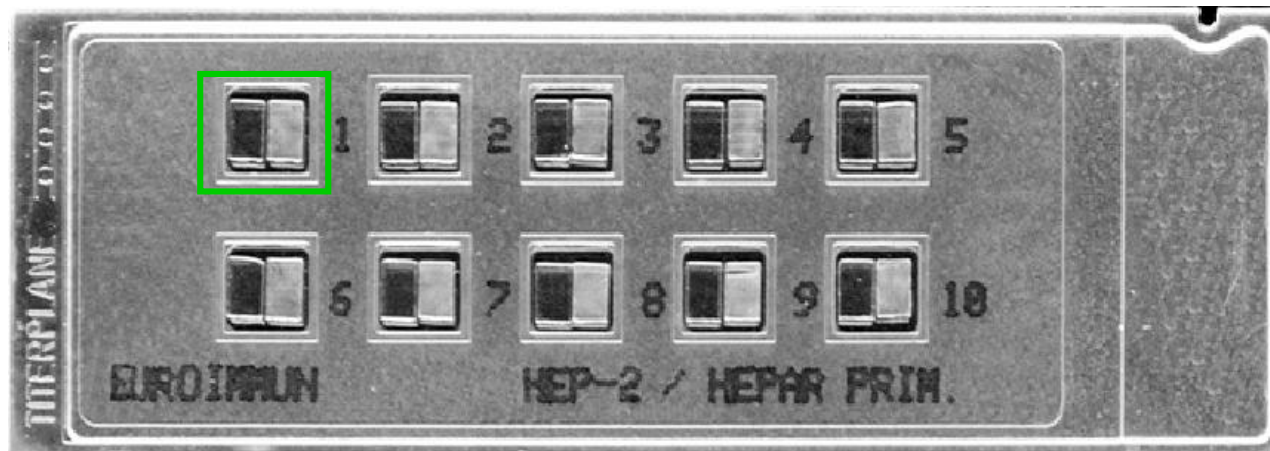


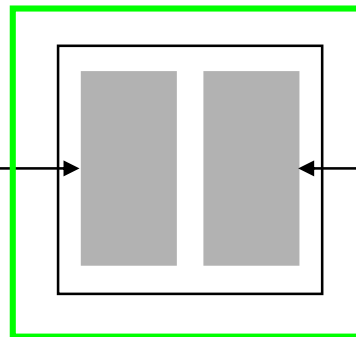
# IIFT de ANA ve sitoplazmik bileşenlere karşı antikolar ve patternleri

# Hangi substratı kullanmalıyız?

Optimum substrat: **HEp-2 ya da HEp-20-10 hücreleri + Primat KC**



HEp-2 ya da  
HEp-20-10

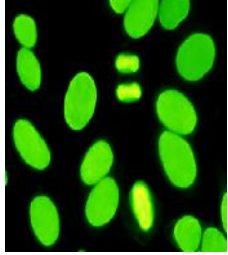


Primat Karaci eri

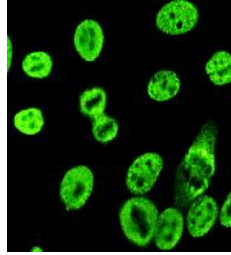
# Karakteristik floresan patternleri

## Hücre çekirde i

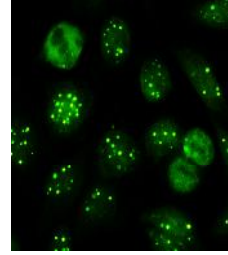
homojen



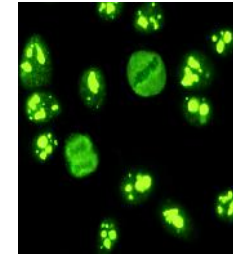
granüler



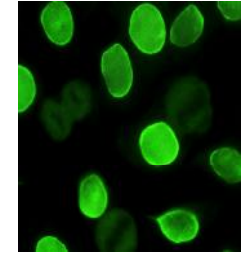
noktasal



nükleolar

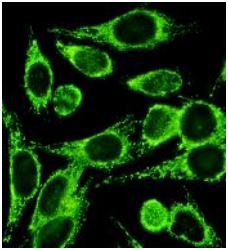


periferal

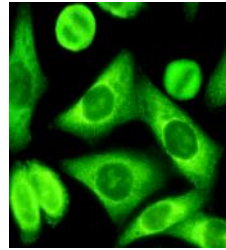


## Sitoplazma

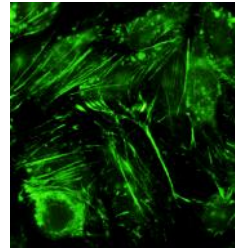
granüler



ince granüler

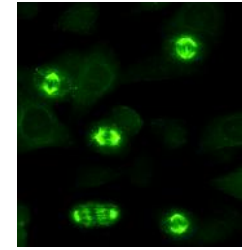


filamentöz



## Mitoz

pozitif

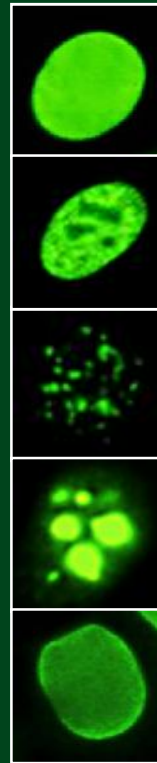


# ANA : De erlendirme Kriteri

## Interfaznkleinin görüntüsü

- **homojen**
- **granüler**
- **nukleerdot**
- **nukleolar**
- **periferal**

HEp2



Karaci er



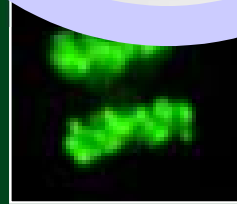
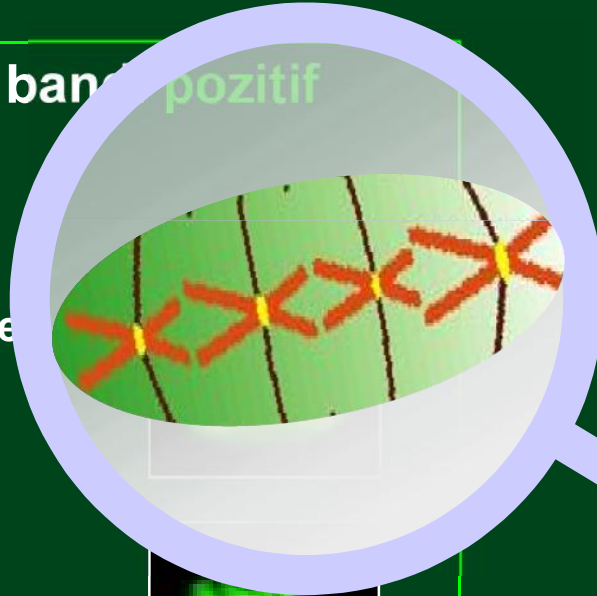
# ANA : De erlendirme Kriteri

## Mitotik hücrelerin de erlendirilmesi

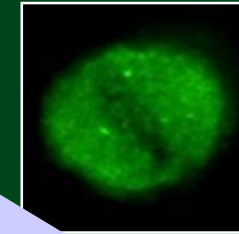
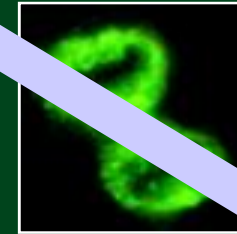
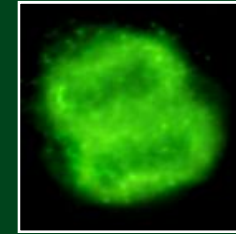
- Kromozom bandı **pozitif**  
(HEp2)

K.B. homojen

K.B. noktalı



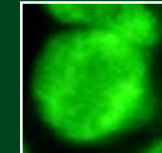
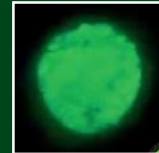
- Kromozom bandı **negatif**  
(HEp2)



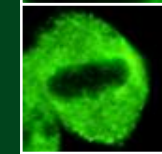
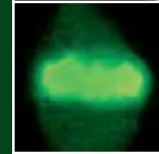
# ANA : De erlendirme Kriteri

## Mitozda kromozomal bandlar

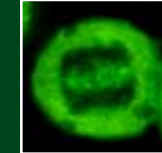
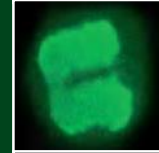
1. Profaz



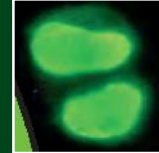
2. Metafaz



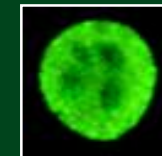
3. Anafaz



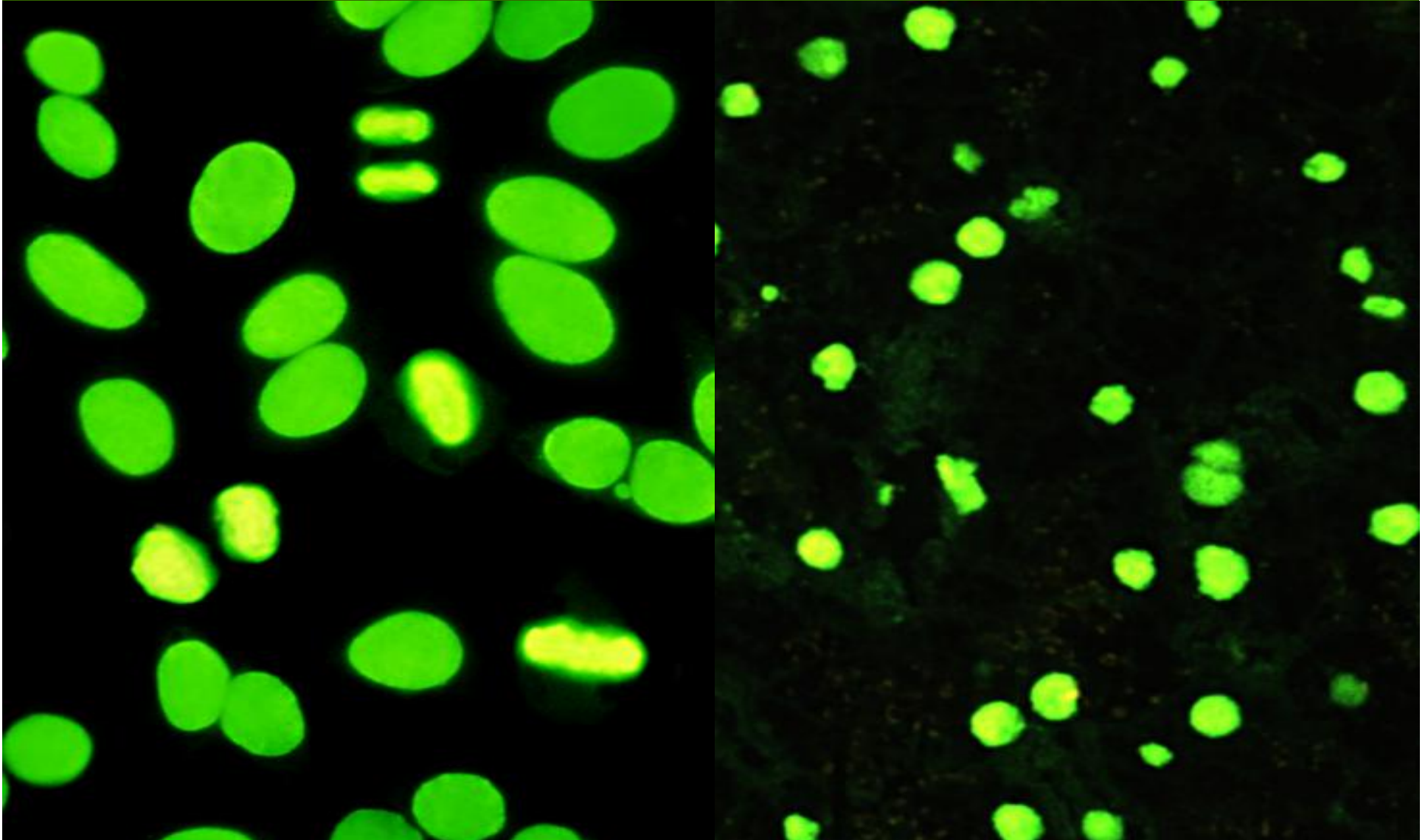
4. Telofaz



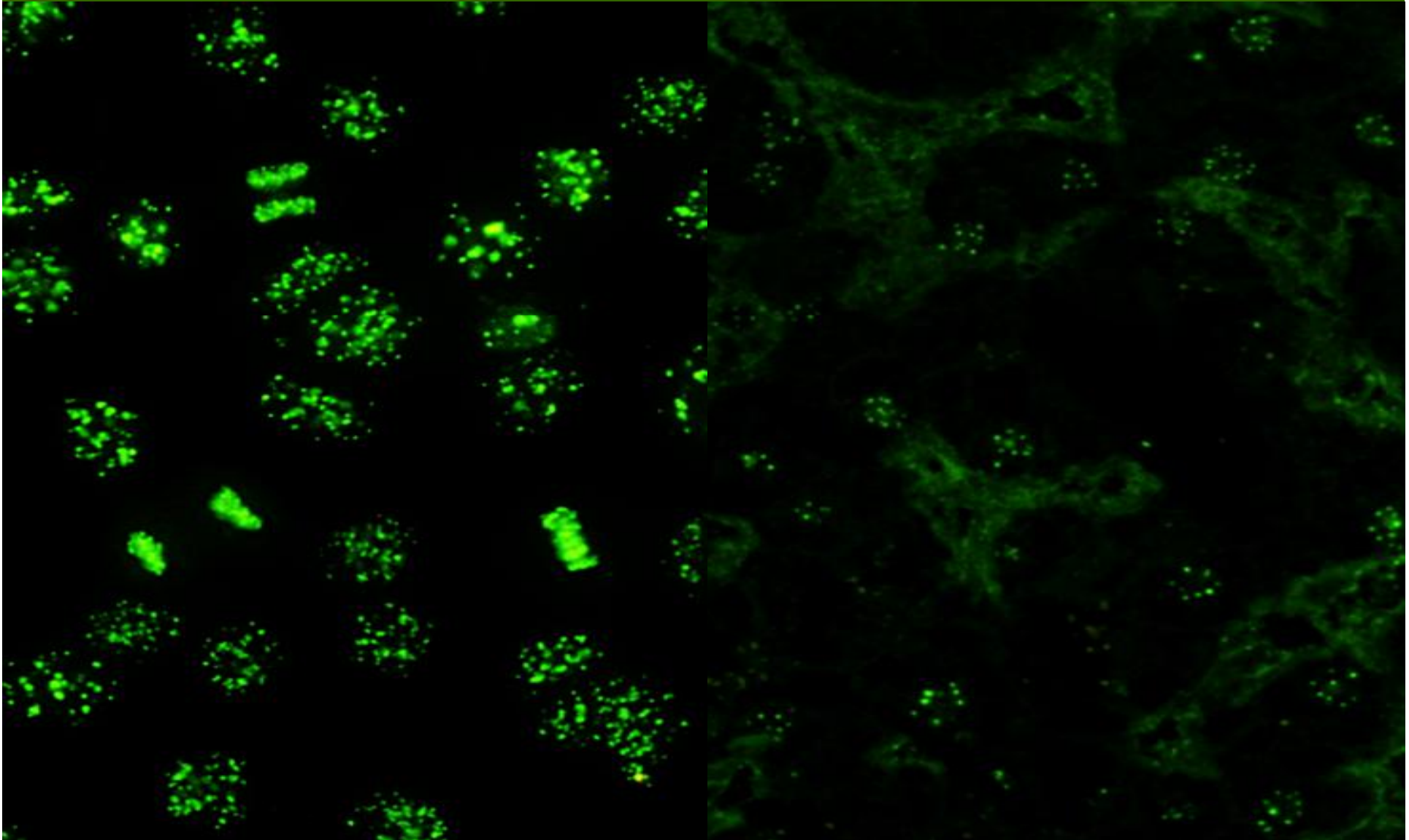
Interfaz:



hücre çekirde i homojen  
HEp-2-Hücreleri/Primat karaci eri

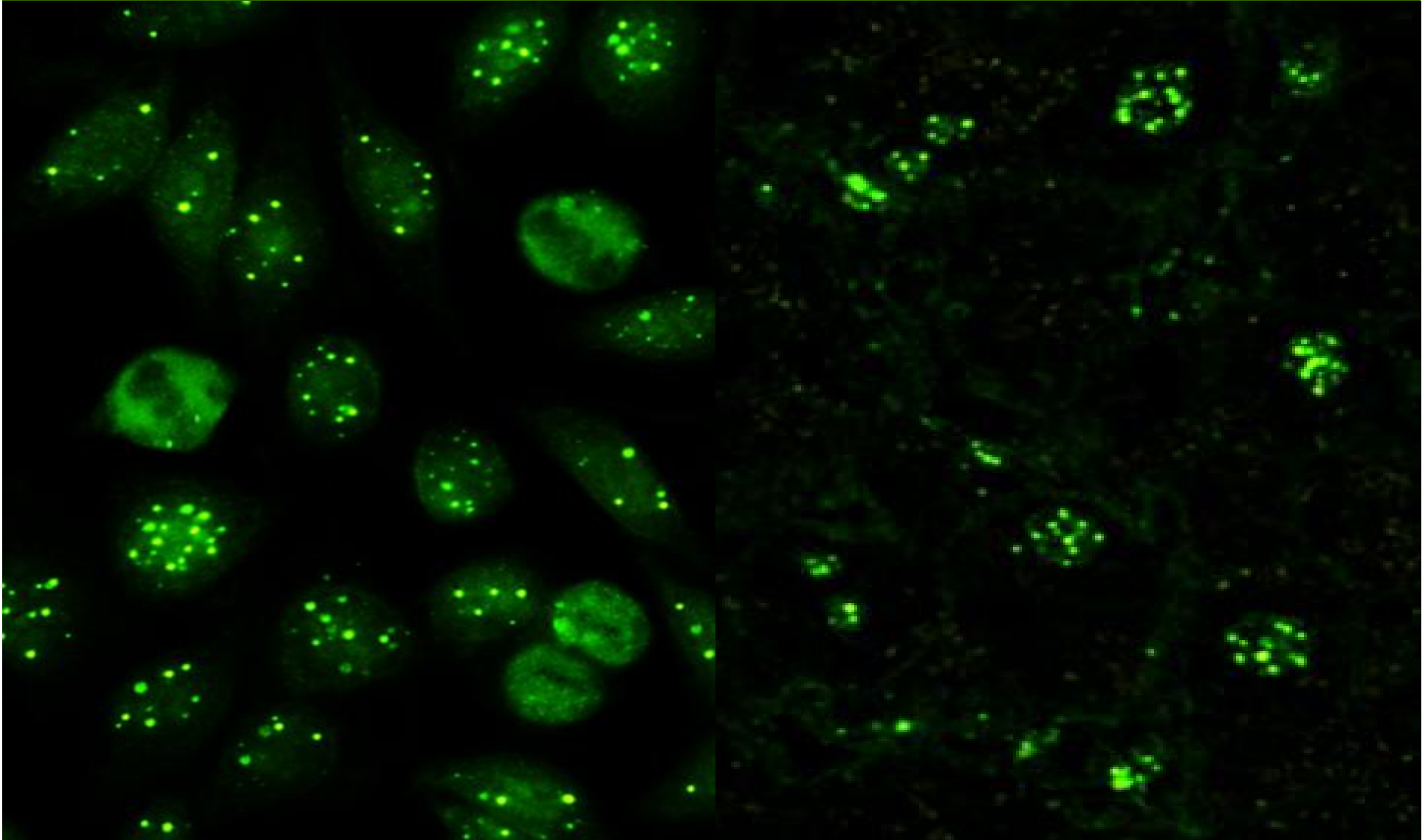


# Anti-Sentromer HEp-2-Hücreleri/Primat karaci eri

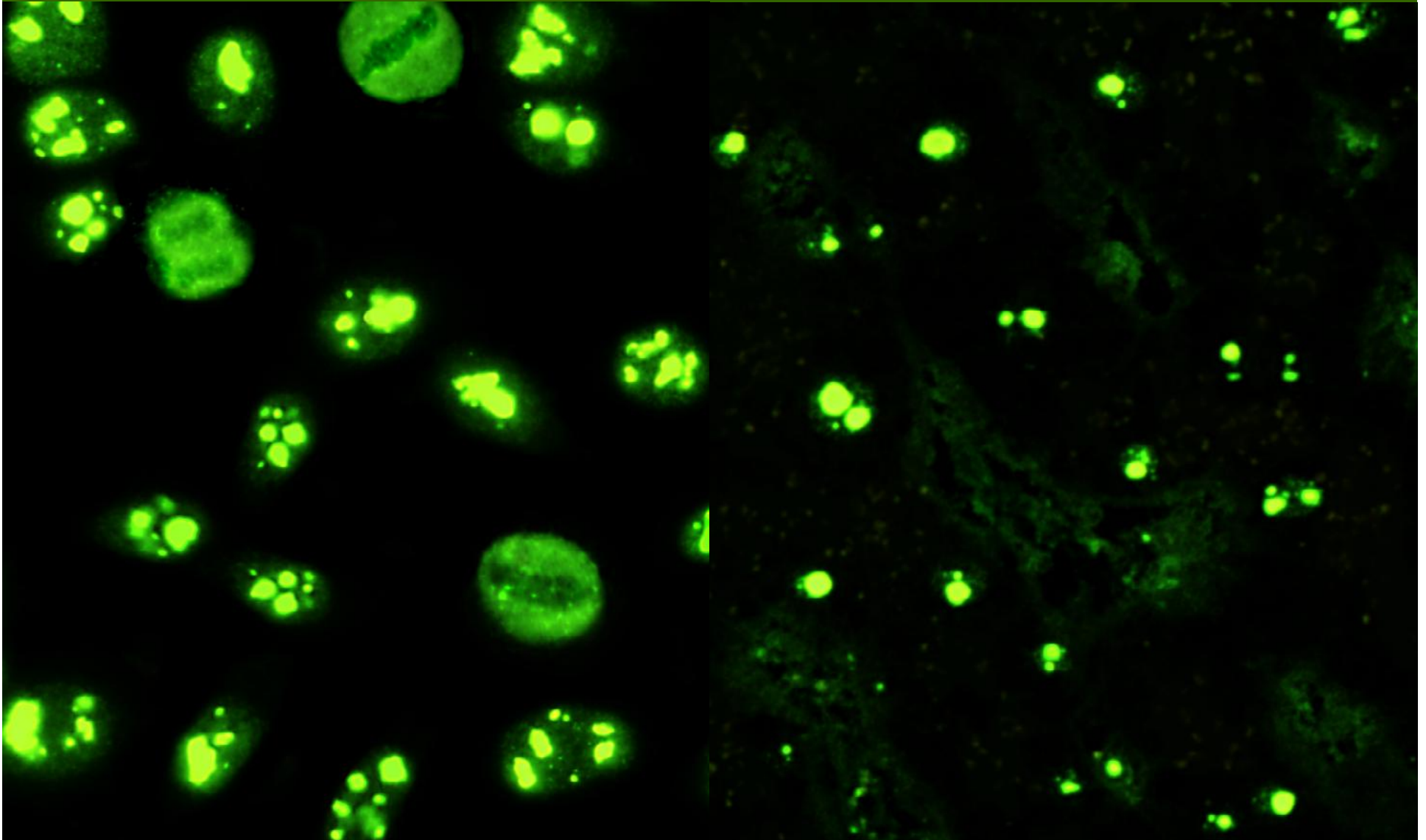




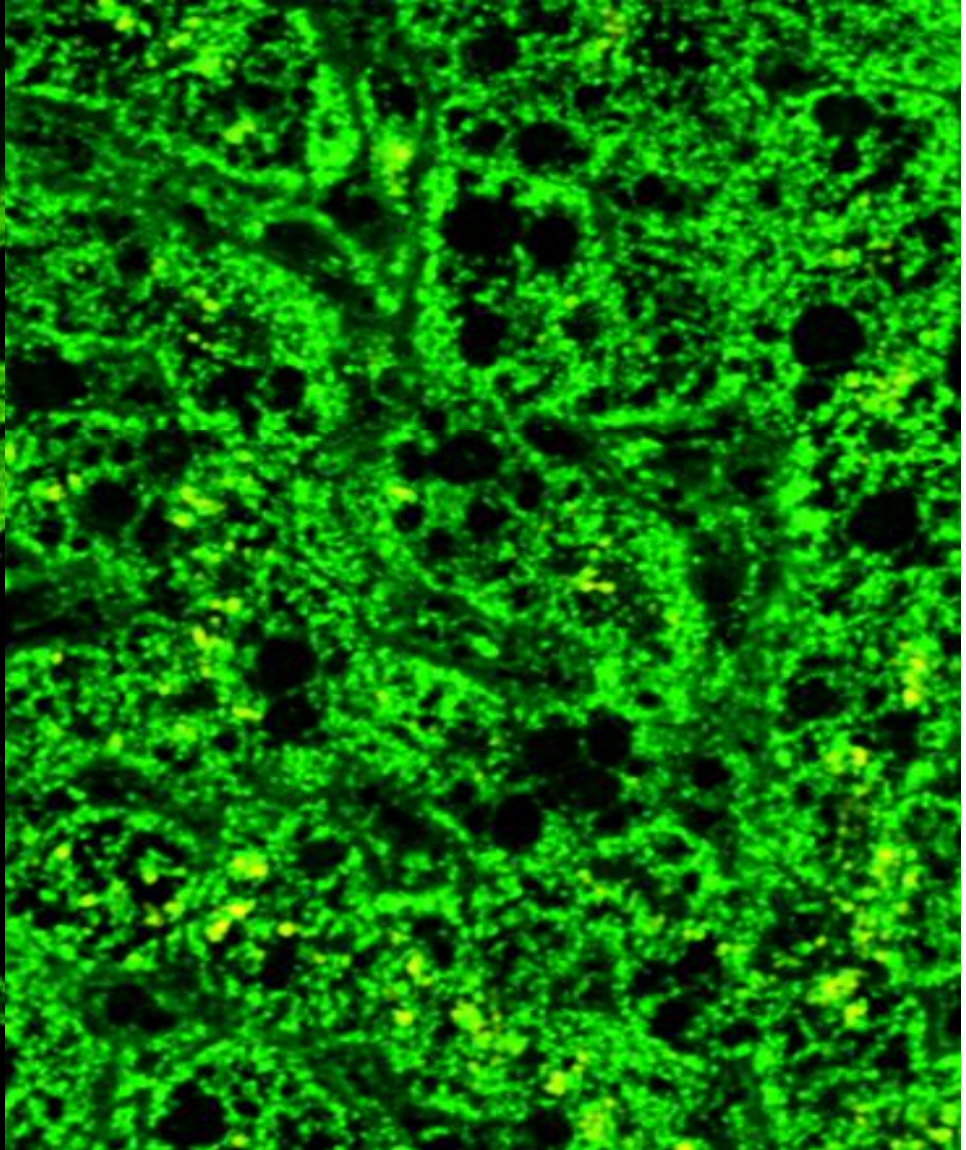
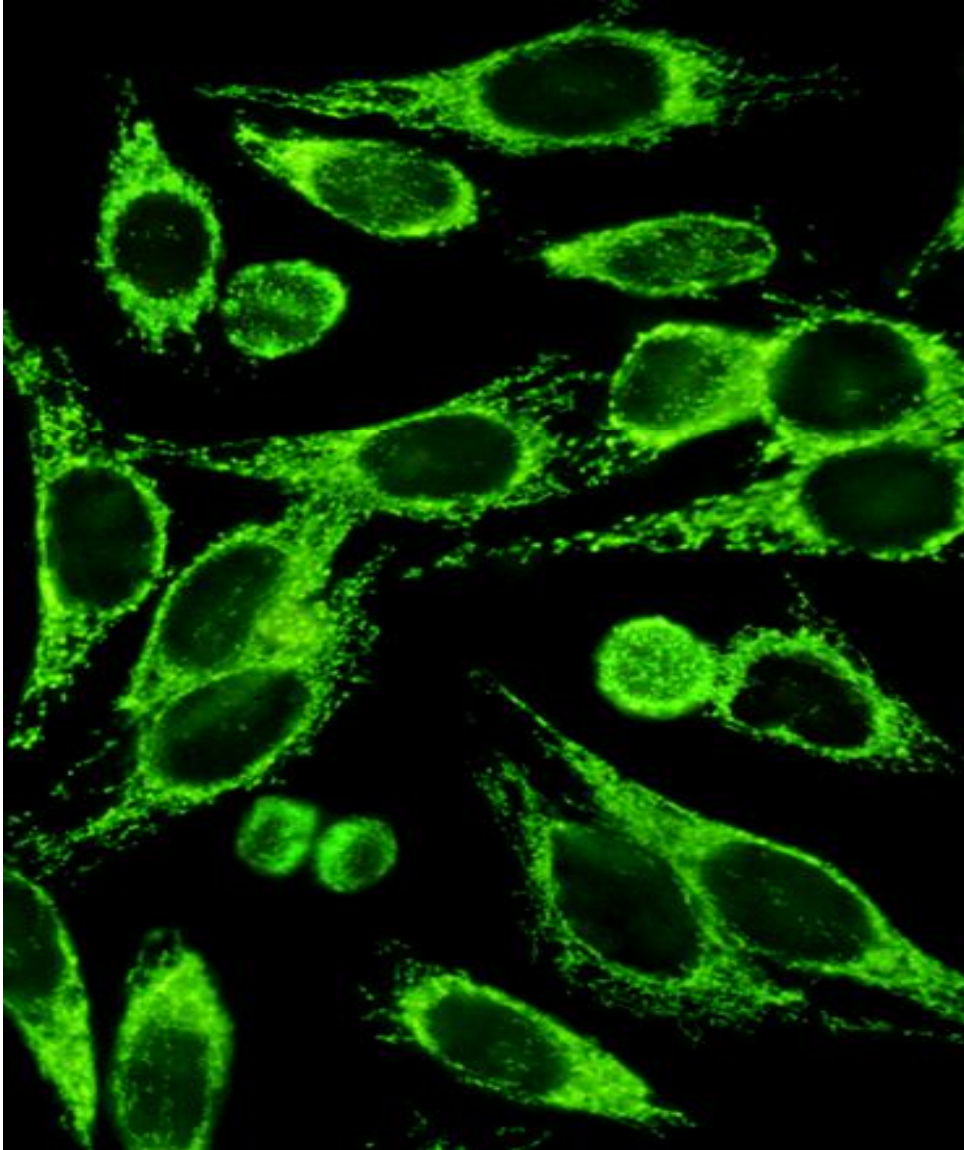
# Pattern Nükleer dots HEp-2-Hücreleri/Primat karaci eri



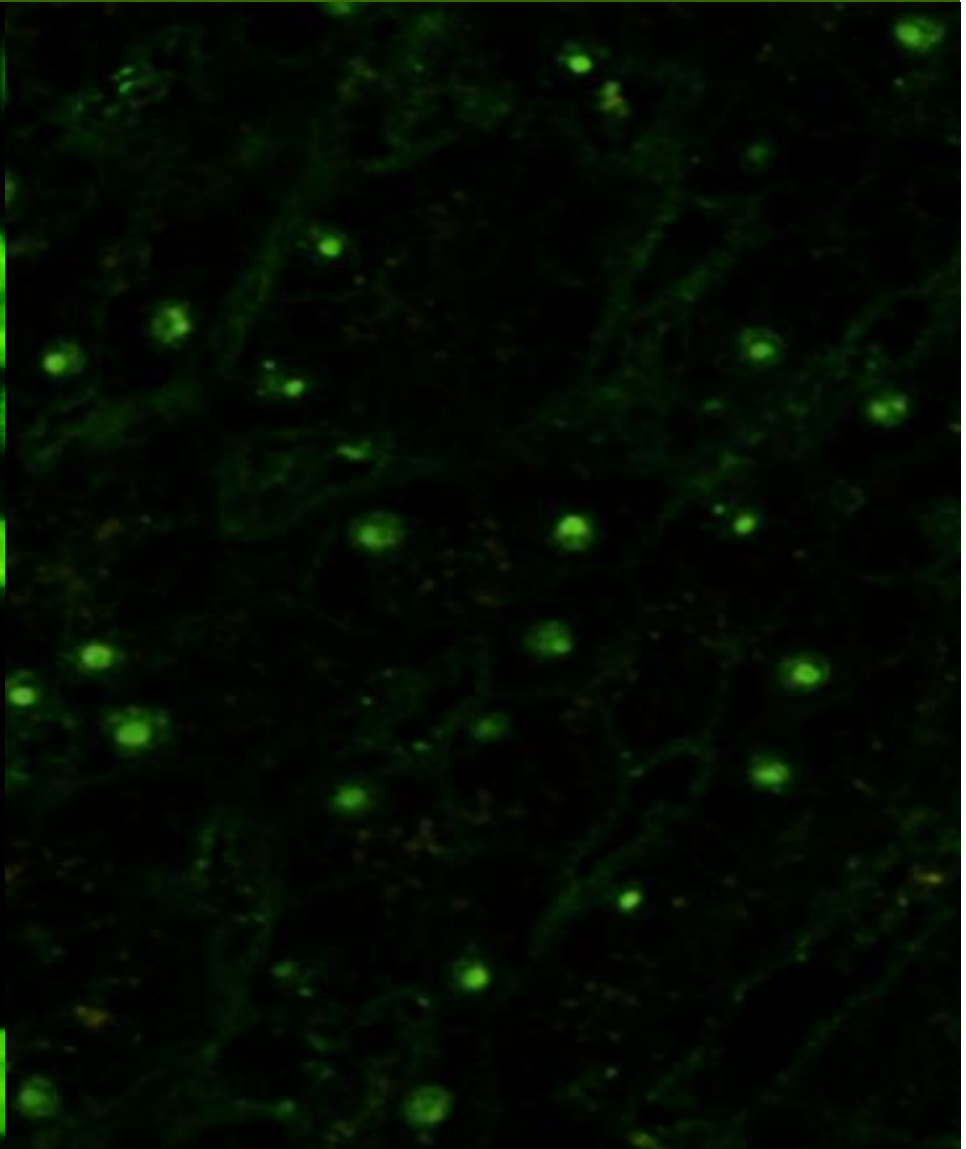
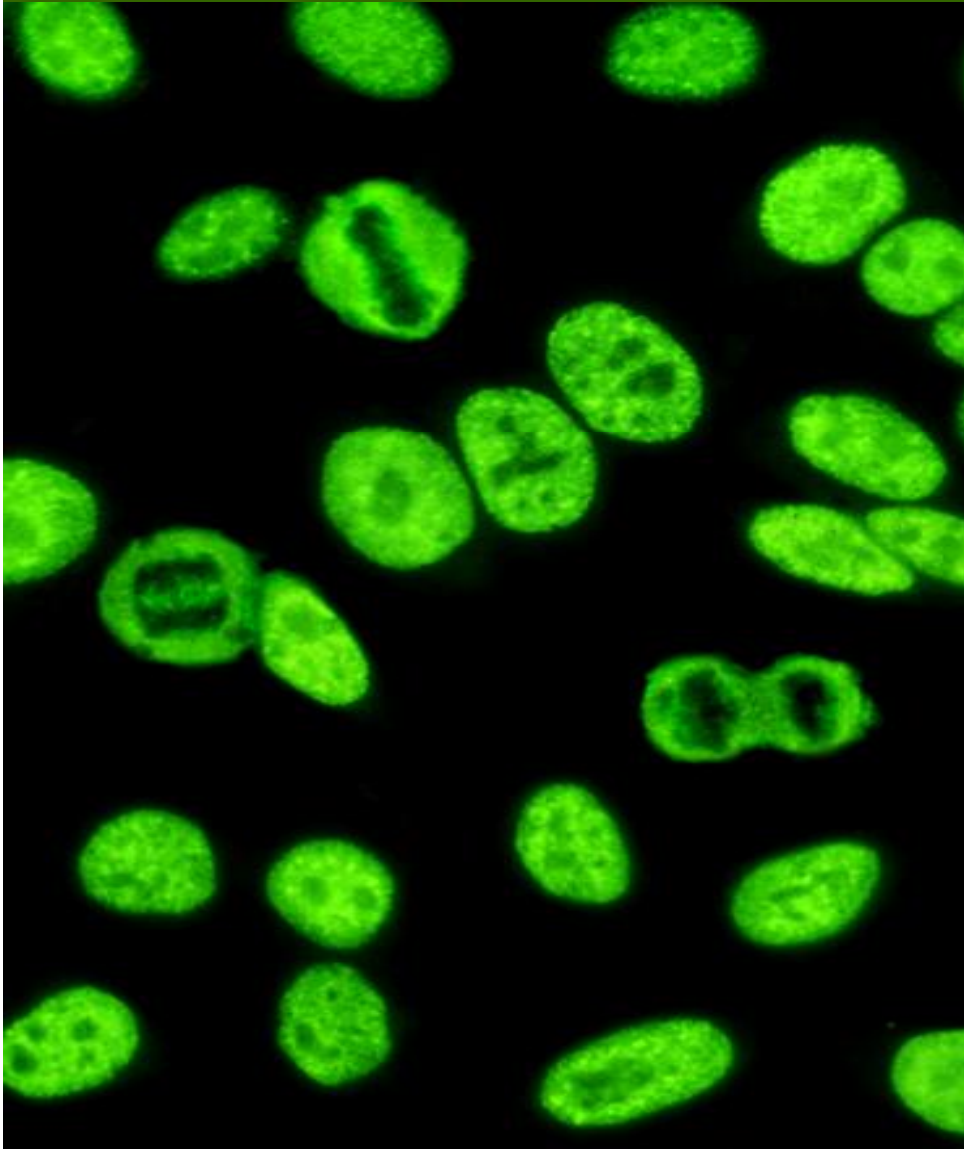
# Pattern Nukleoli /Nukleolar HEp-2-Hücreleri/Primat karaci eri



# Anti-Mitokondri (AMA) HEp-2-Hücreleri/Primat karaci eri:

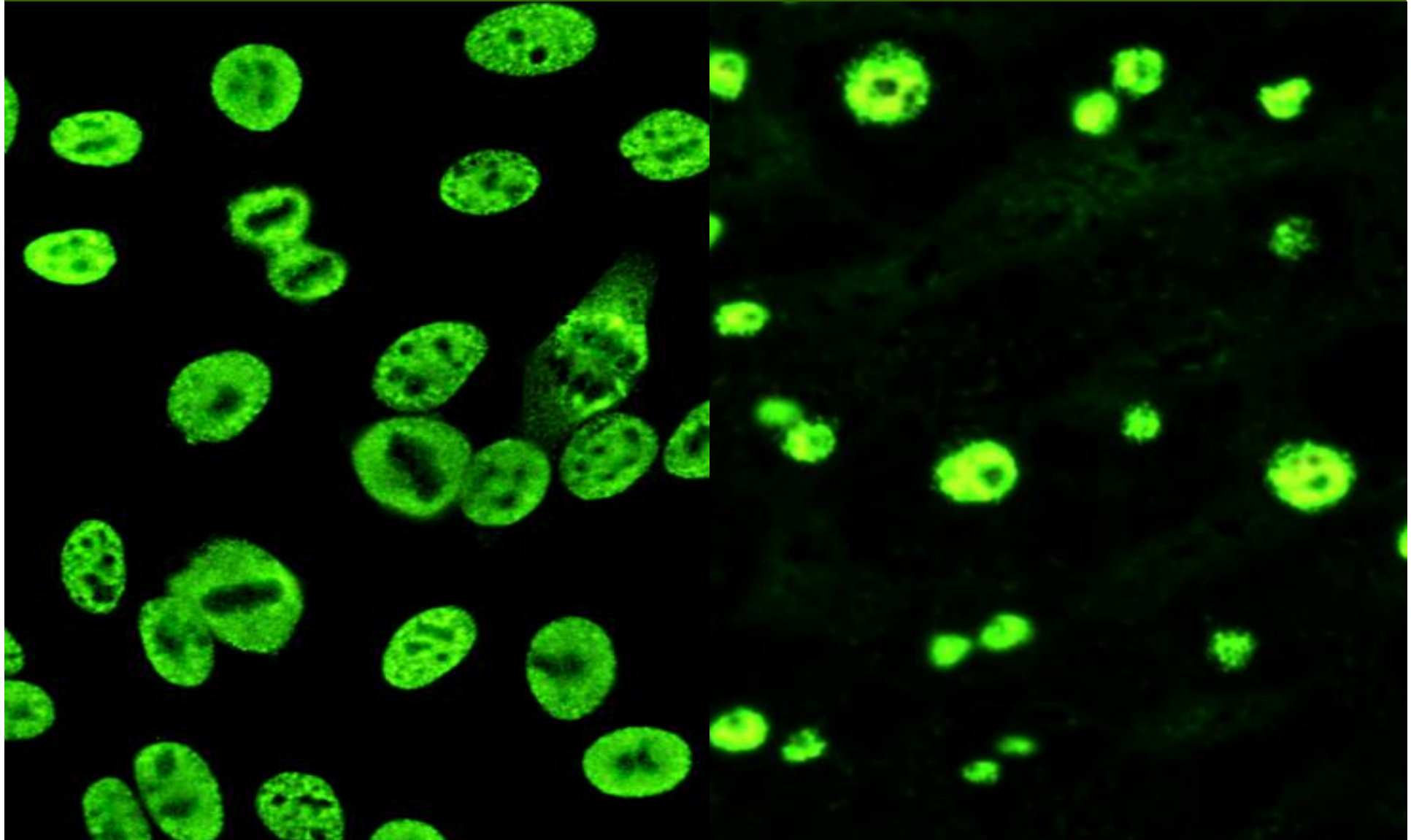


Pattern fine granular  
(Anti-SS-A/SS-B)  
HEp-2-Hücreleri/Primat karaci eri

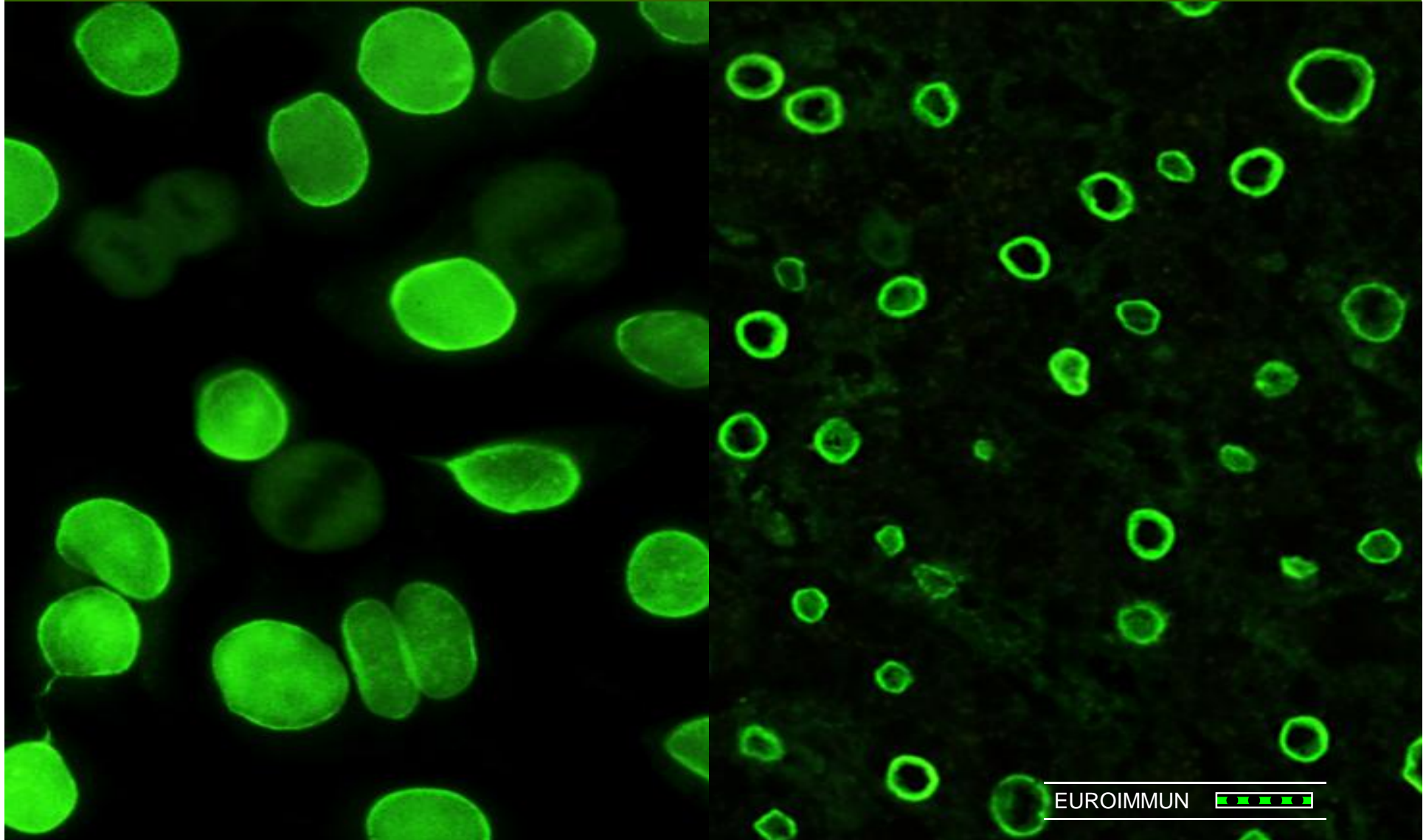


Pattern coarse granular  
(Anti-RNP/Sm)

HEp-2-Hücreleri/Primat karaci eri

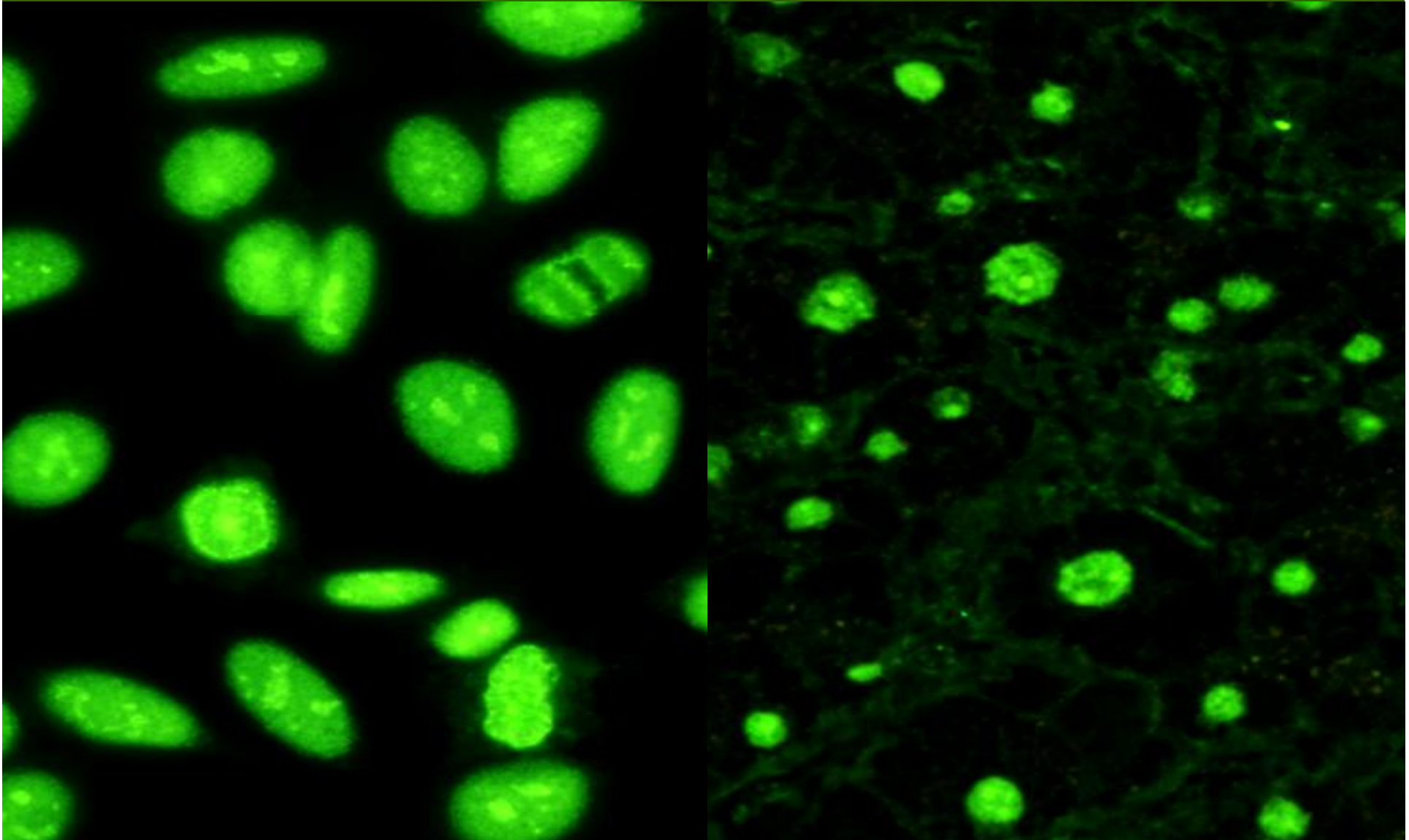


# Anti-nükleer membran (periferal) HEp-2-Hücreleri/Primat karaci eri

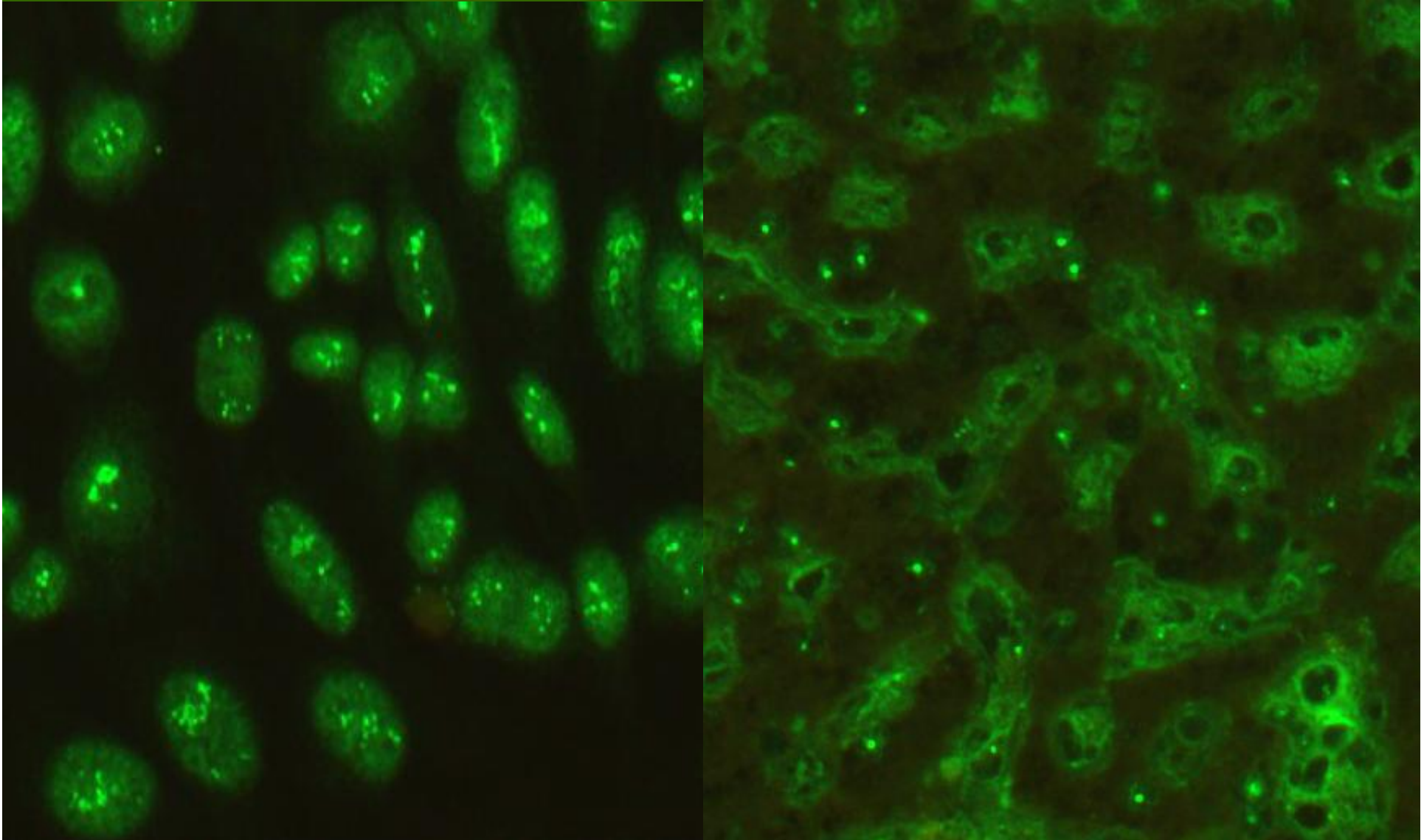


Pattern hom+nukleolar /granular+nukleolar  
(Anti-ScI-70)

HEp-2-Hücreleri/Primat karaci eri:

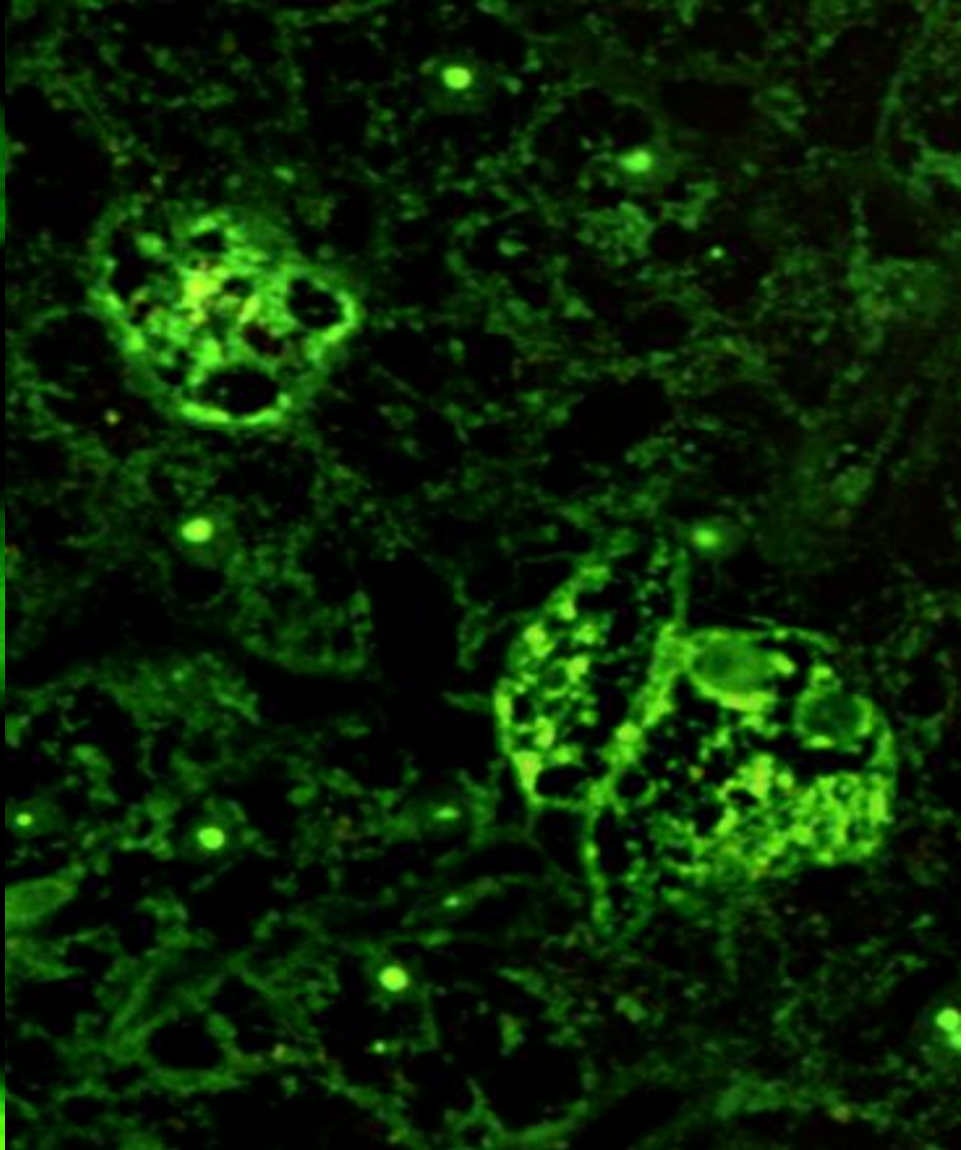
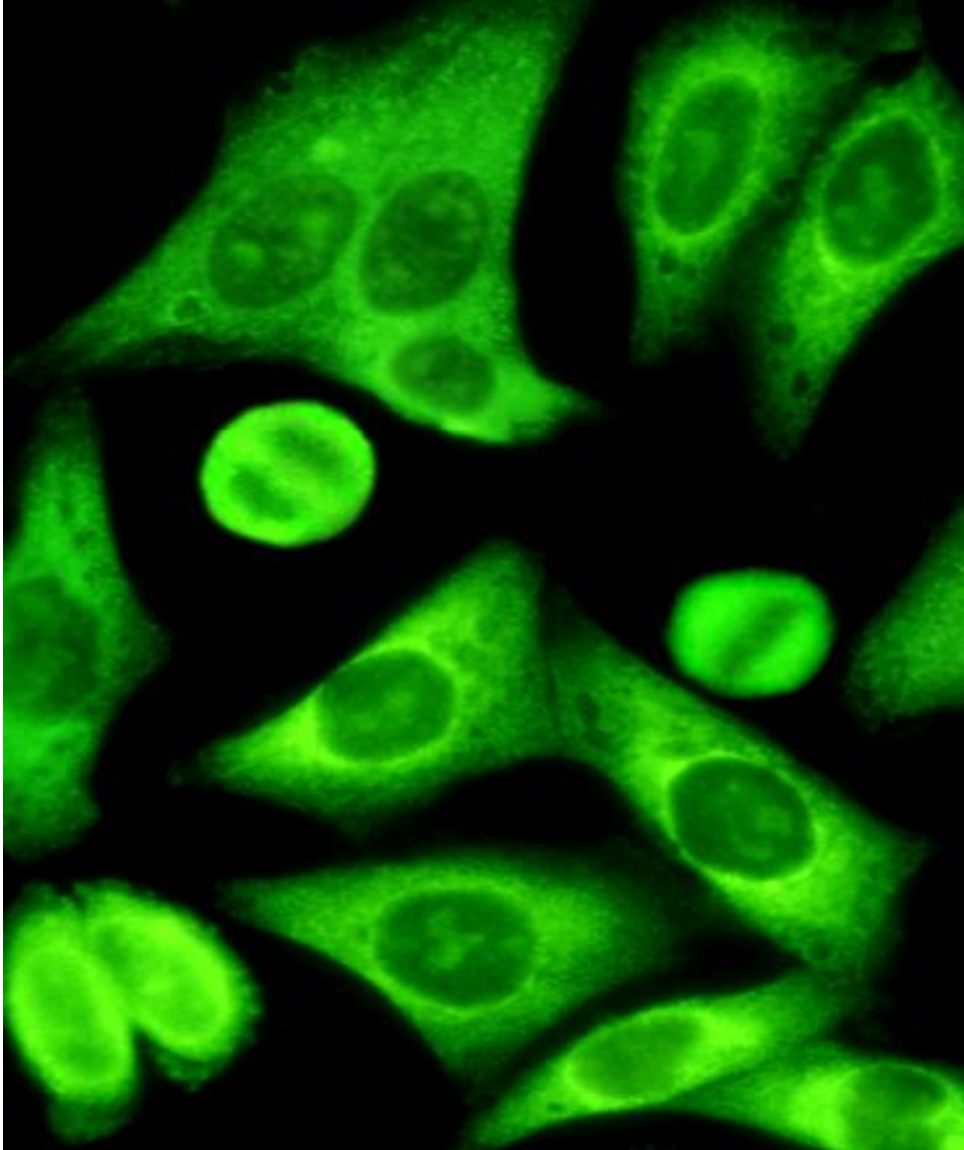


Anti-Fibrilarin+NOR  
HEp-2-Hücreleri/Primat karaci eri

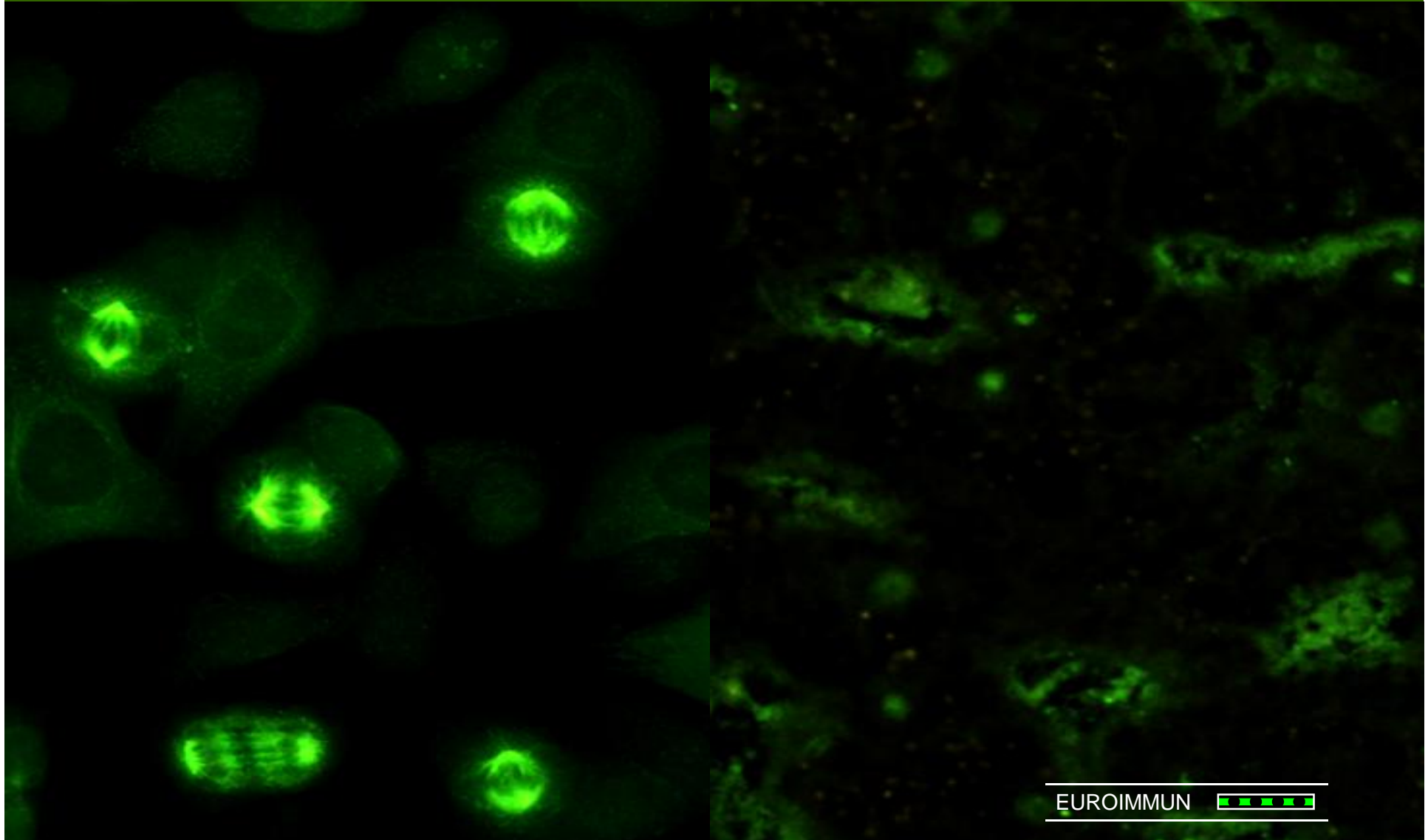




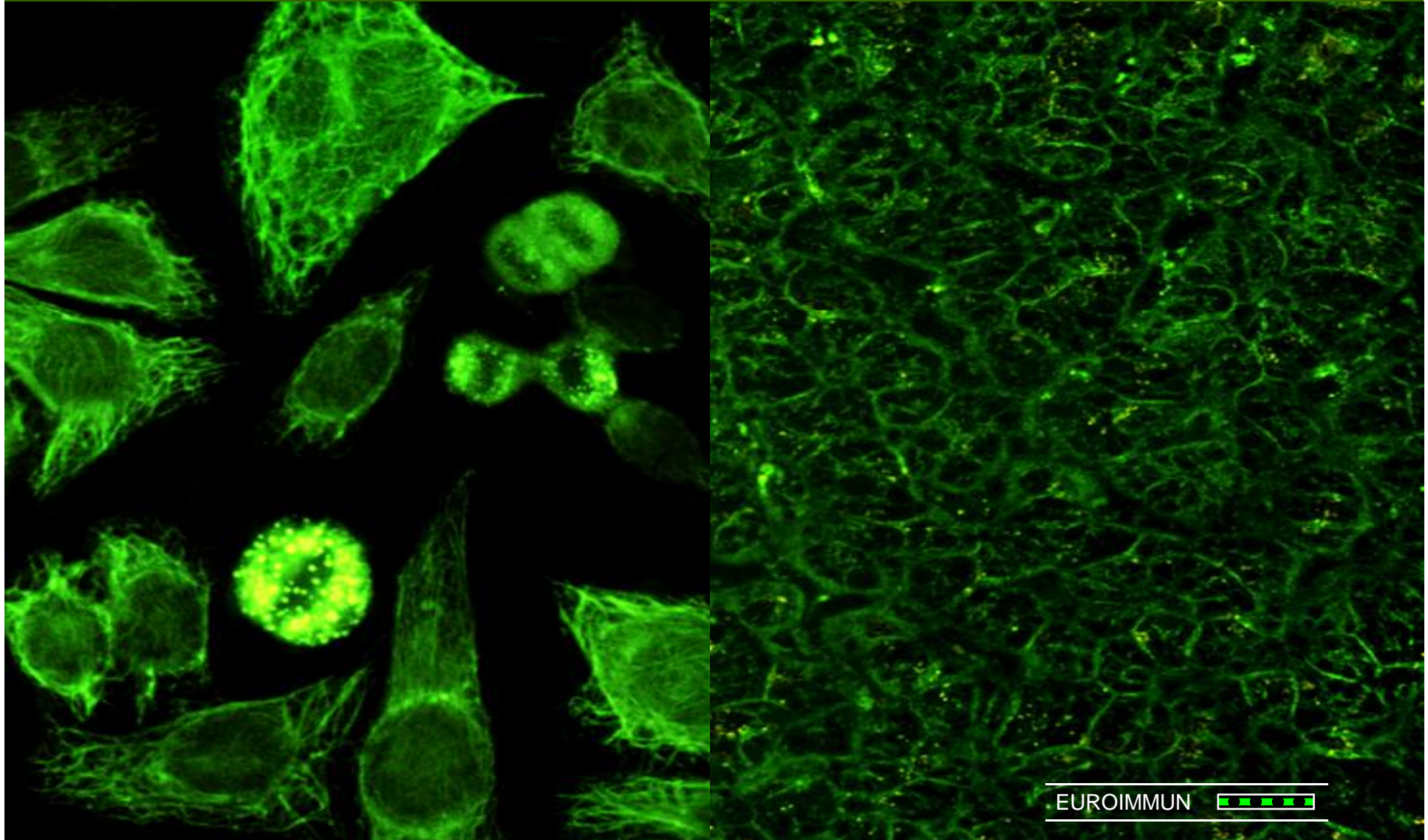
# Anti-ribosomal-P-Proteins HEp-2-Hücreleri/Primat karaci eri



# Anti-Spindel fibriller HEp-2-Hücreleri/Primat karaci eri

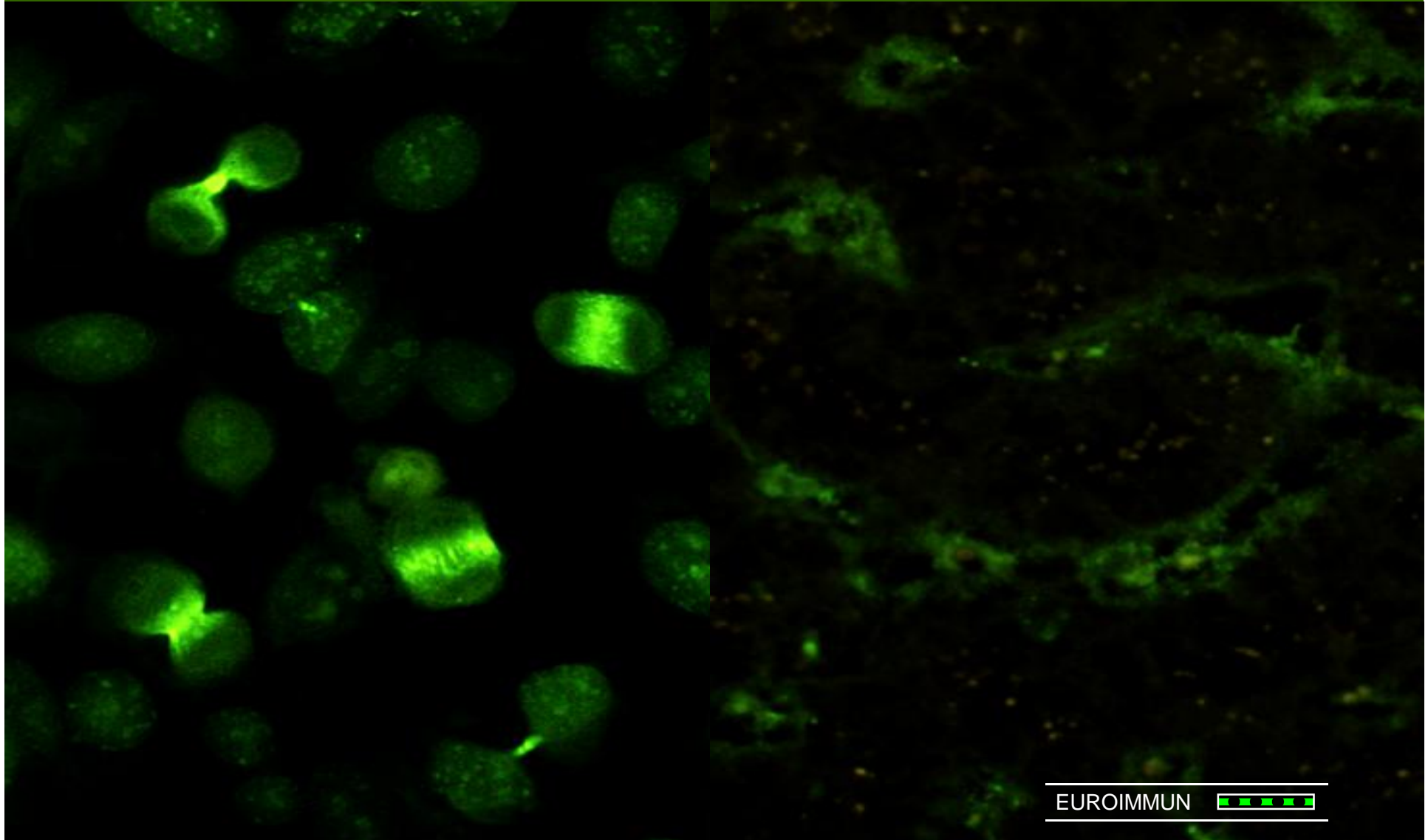


# Anti-Vimentin HEp-2-Hücreleri/Primat karaci eri

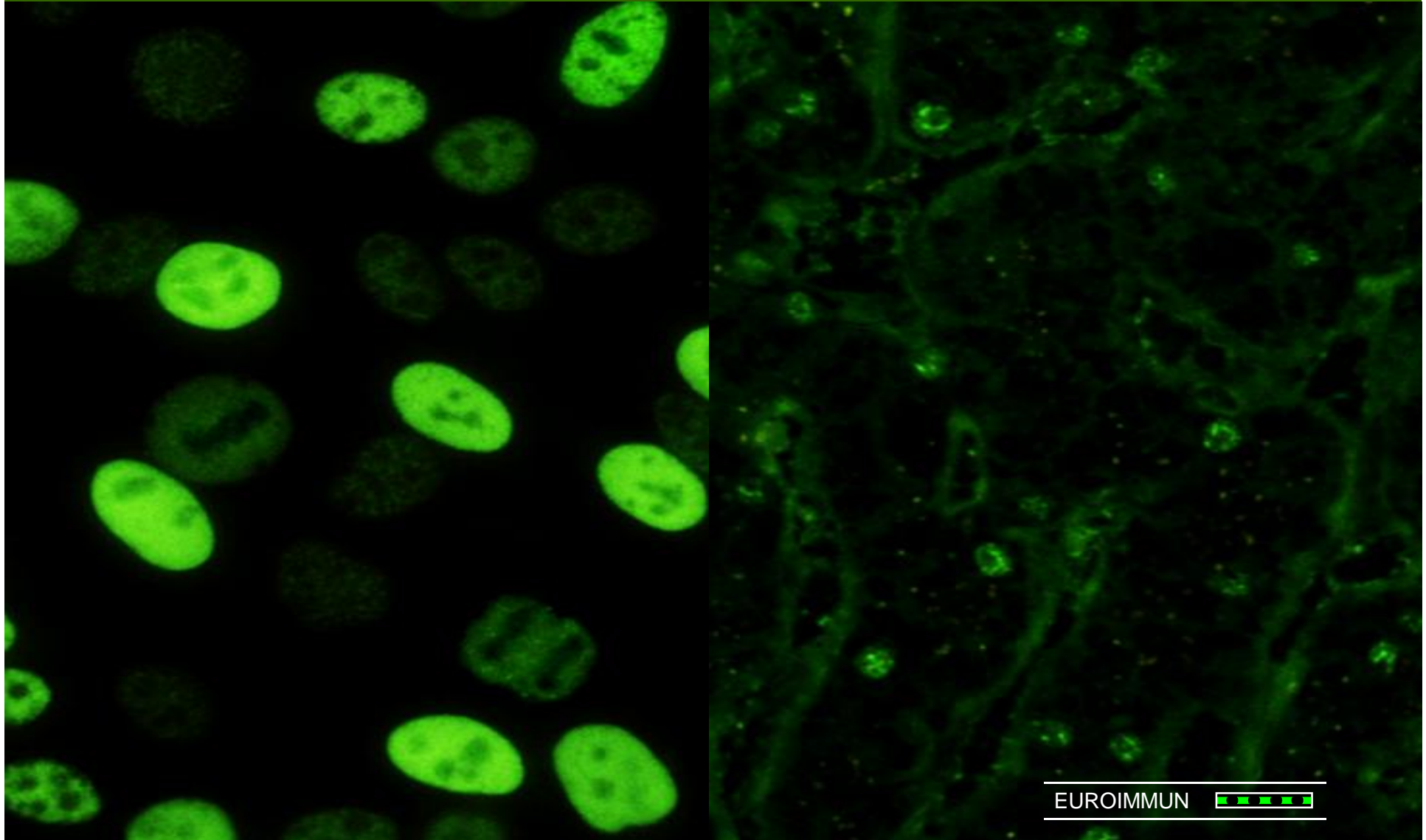


# Midbody

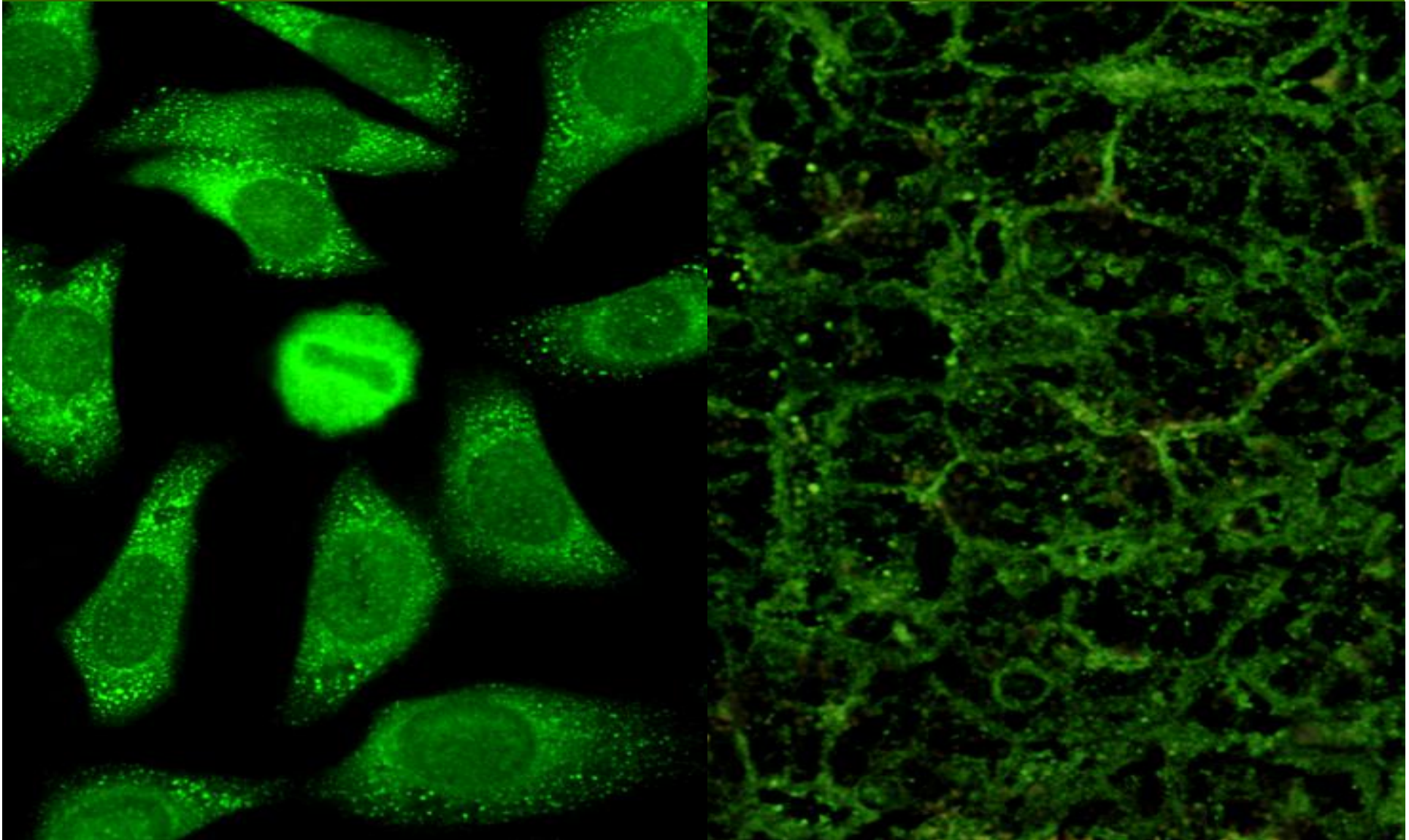
## HEp-2-Hücreleri/Primat karaci eri



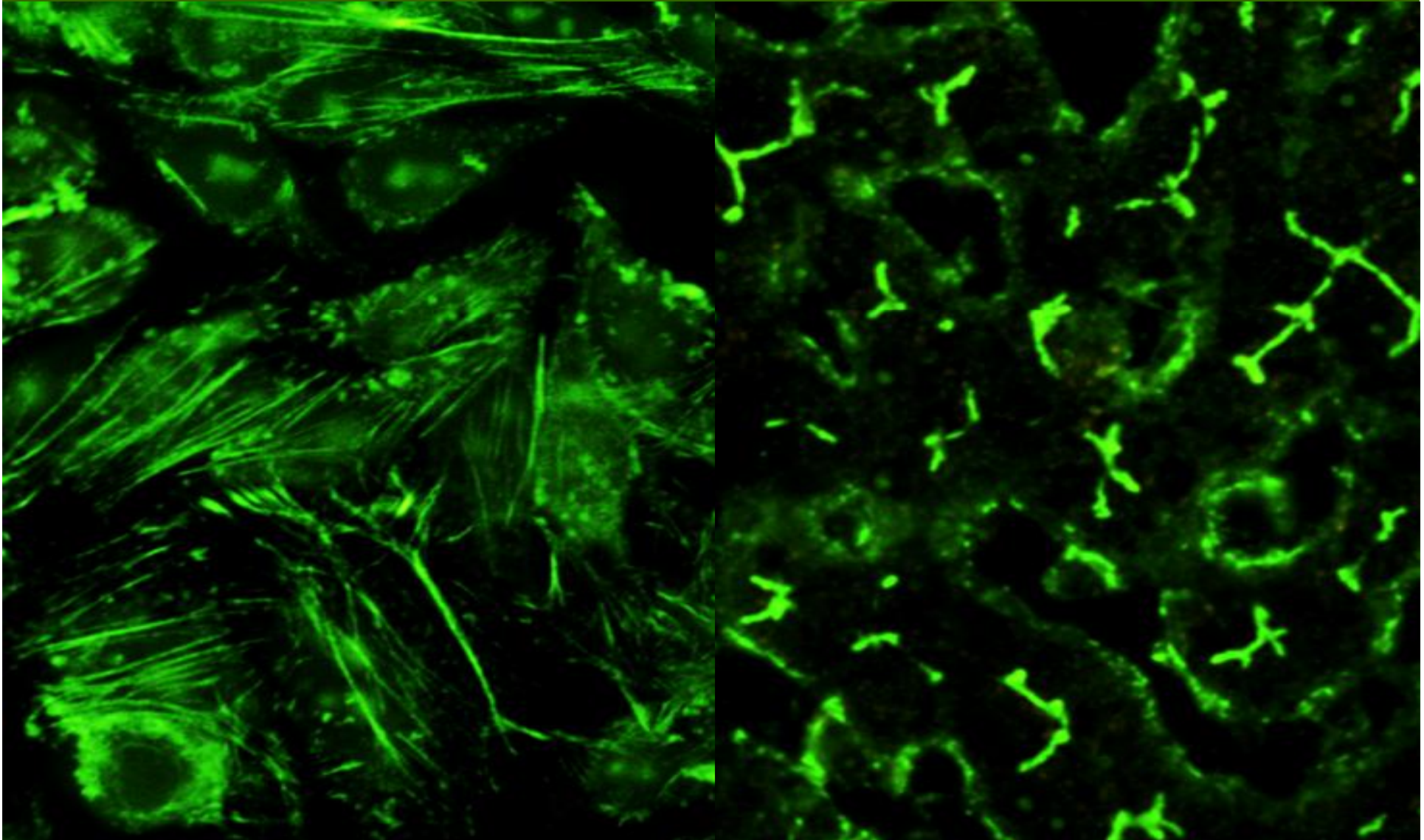
# Proliferating cell nuclear antigen (PCNA) HEp-2-Hücreleri/Primat karaci eri



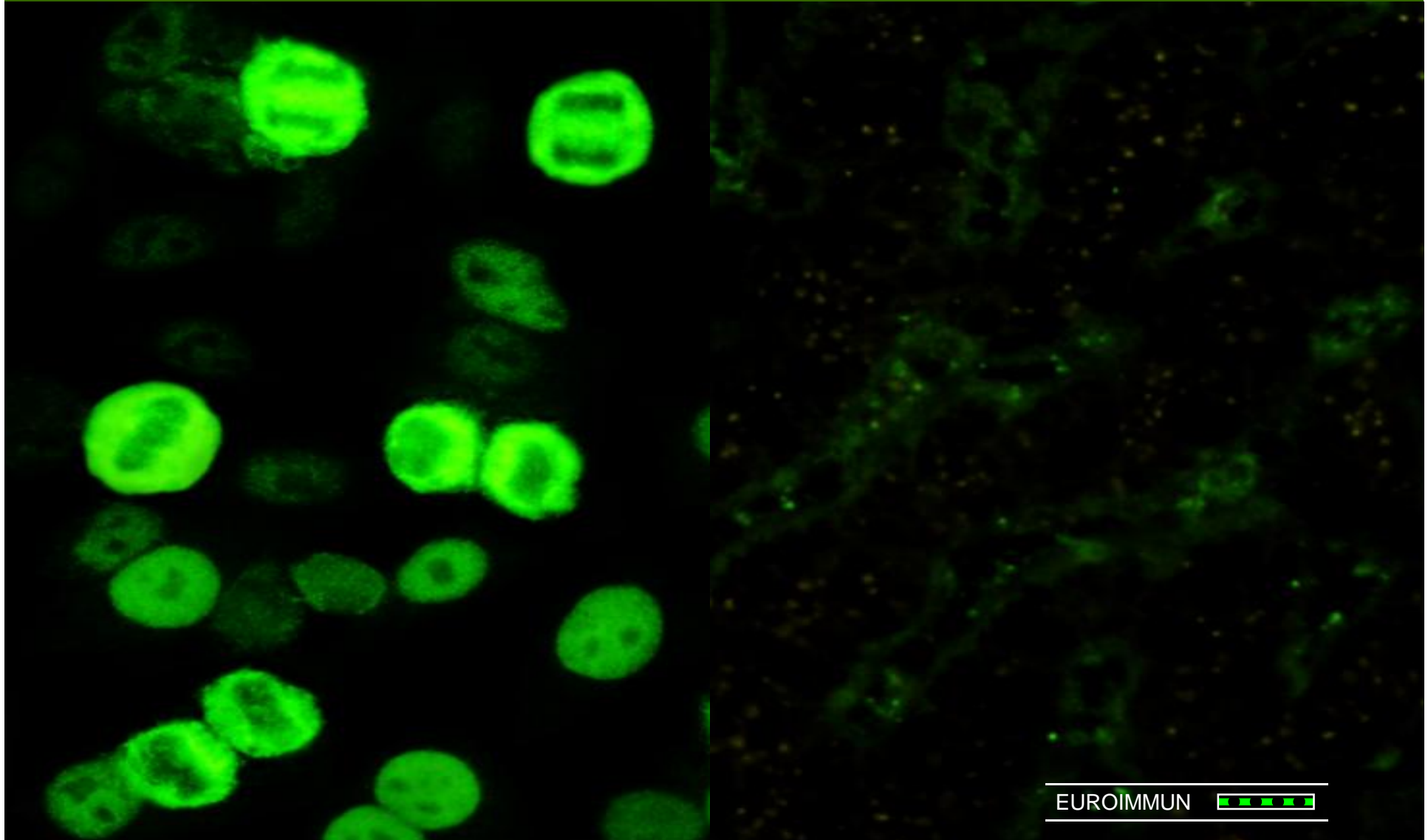
Anti-Jo-1  
HEp-2-Hücreleri/Primat karaci eri



# Anti-F-Aktin HEp-2-Hücreleri/Primat karaci eri

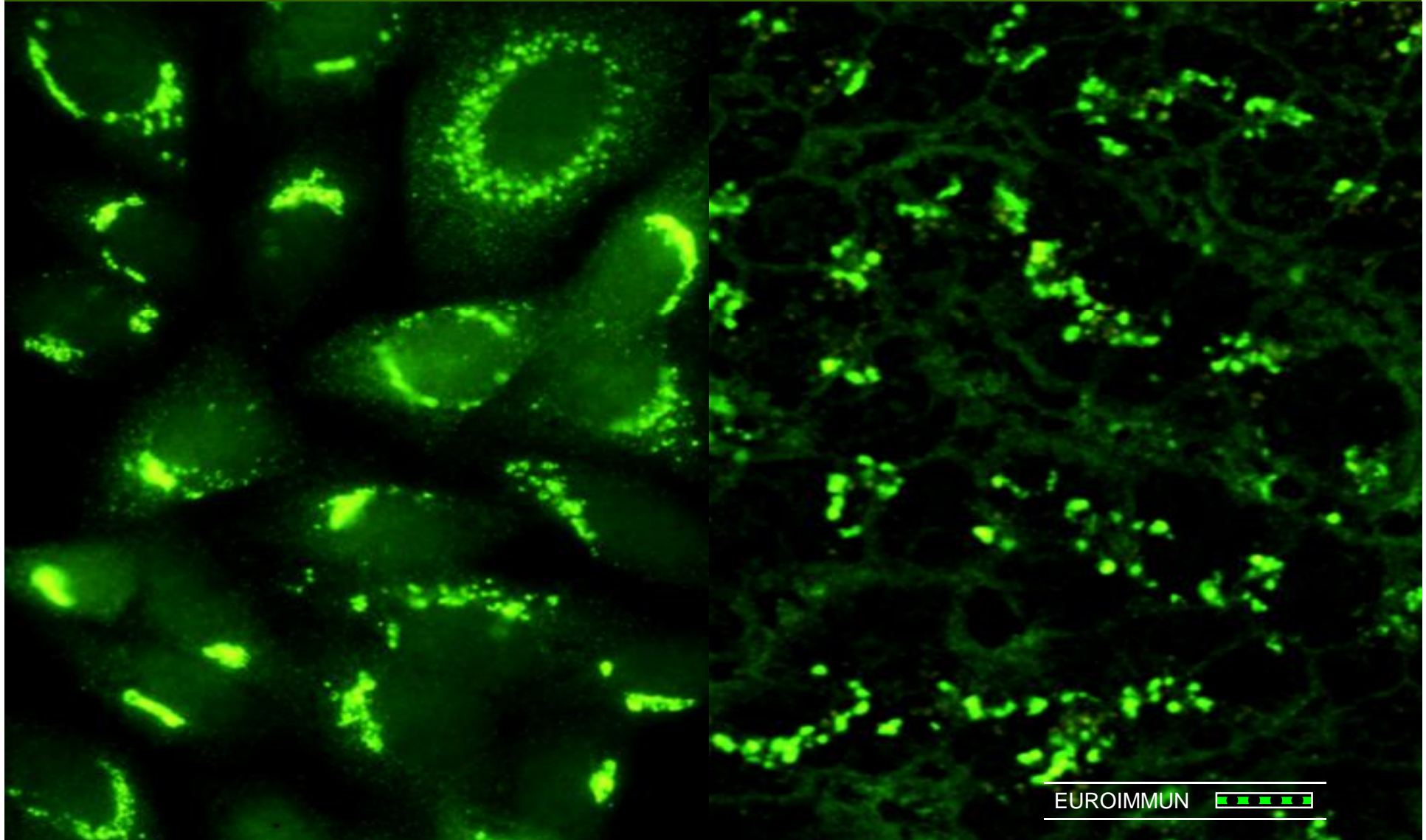


# Anti-Mitosen (CENP F) HEp-2-Hücreleri/Primat karaci eri:

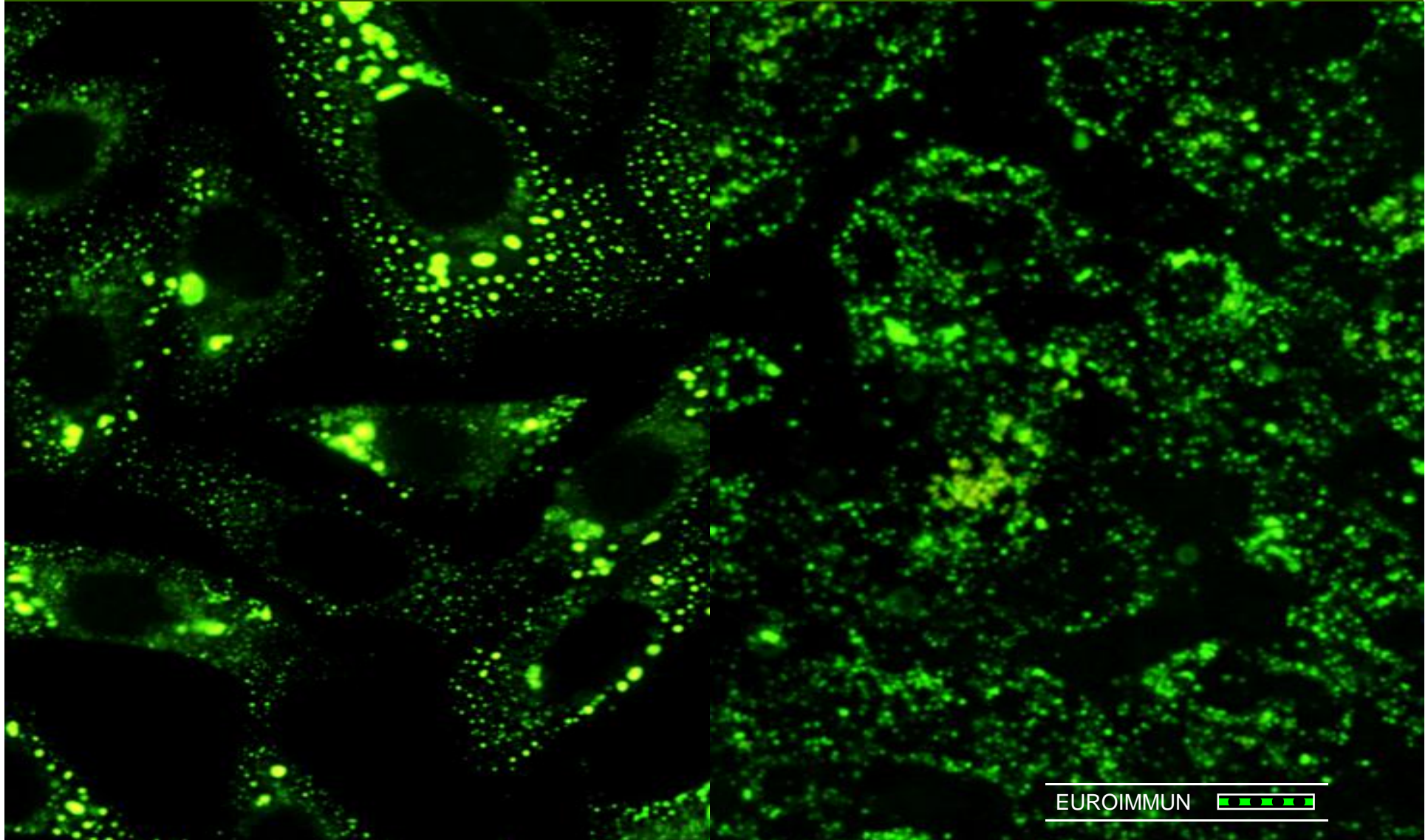




# Anti-Golgi aparatı HEp-2-Hücreleri/Primat karaci eri

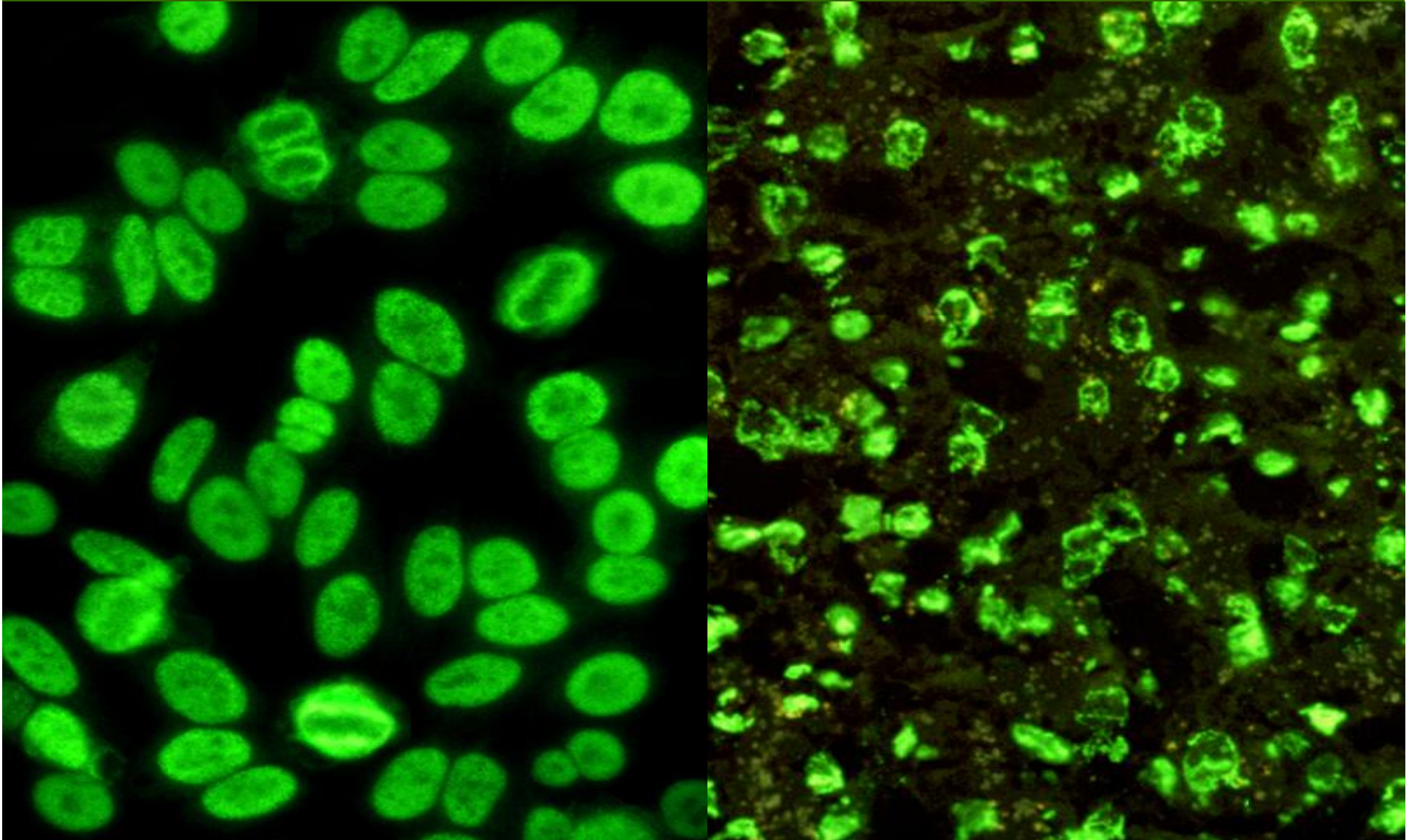


# Anti-Lizozom HEp-2-Hücreleri/Primat karaci eri

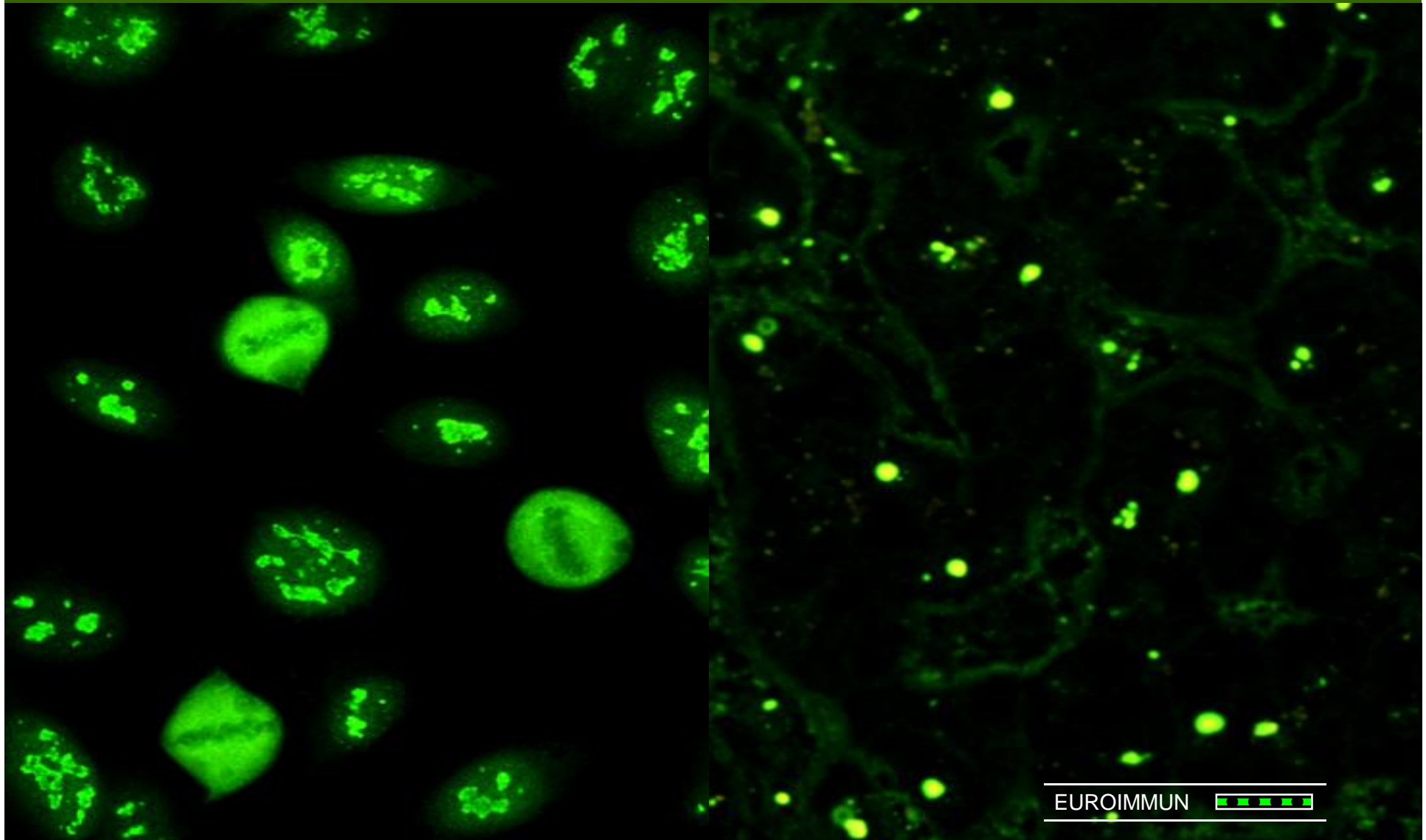




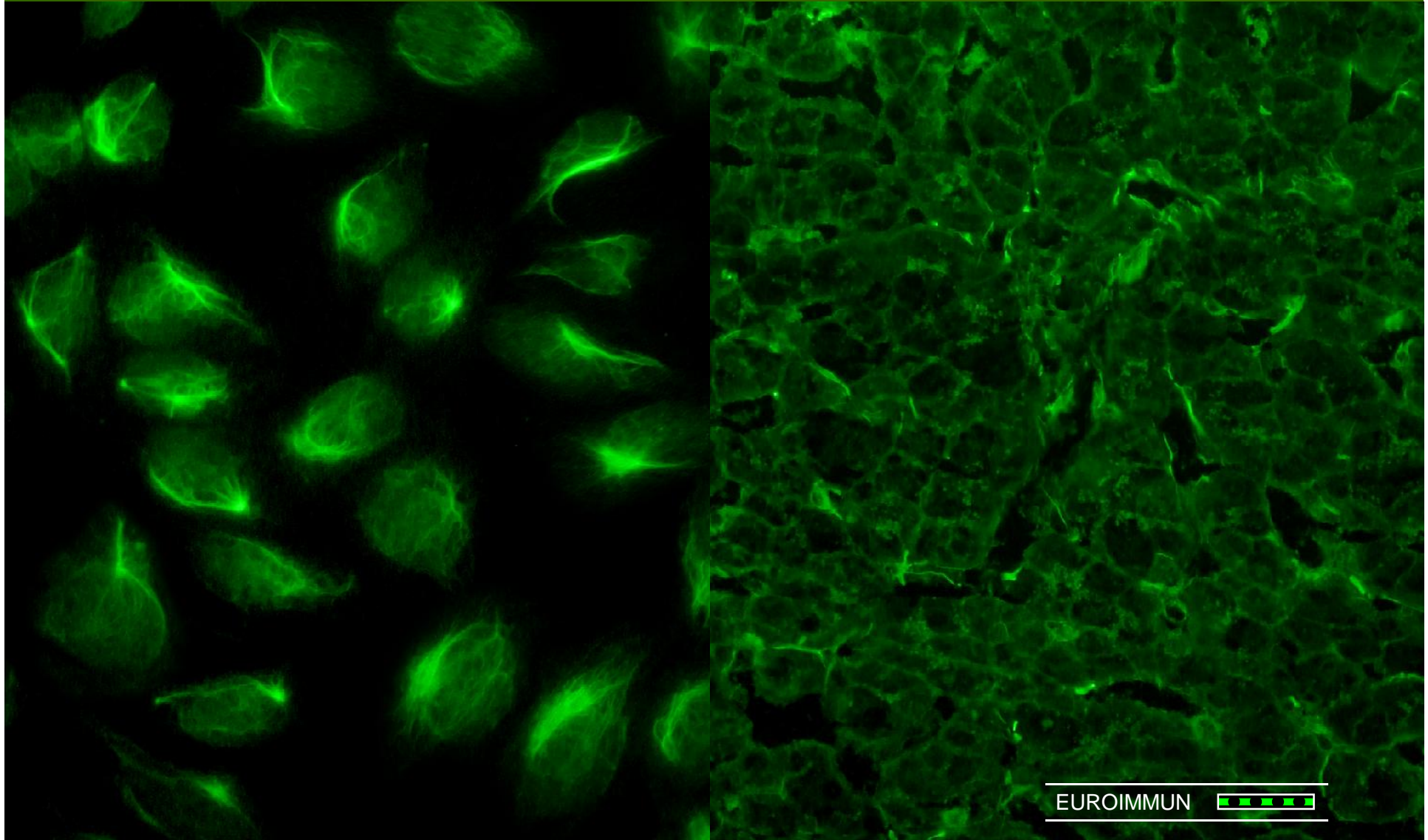
# Anti-Ku HEp-2-Hücreleri/Primat karaci eri



# Anti-RNA-Polymerase I HEp-2-Hücreleri/Primat karaci eri

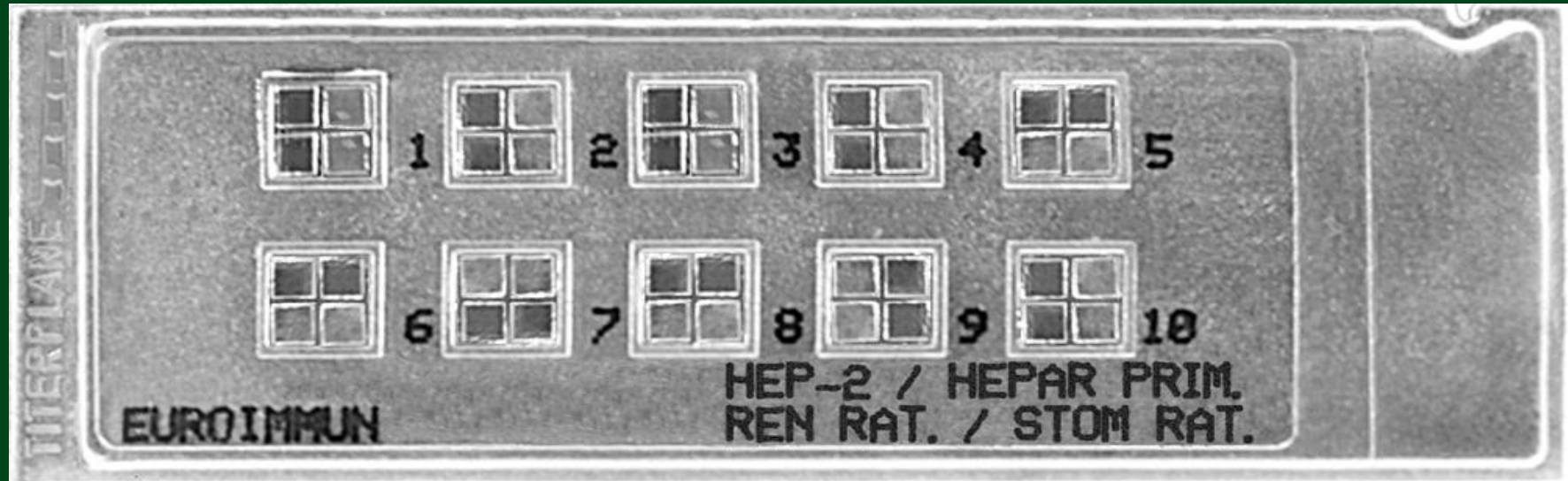


# Anti-Tropomyosin HEp-2-Hücreleri/Primat karaci eri



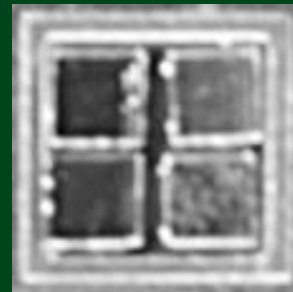
PCA, ASMA, LKM, AMA

# BIOCHIP Mosaic: Basic Profile 3



HEp-2 hücreleri (human) →

böbrek (sıçan) →

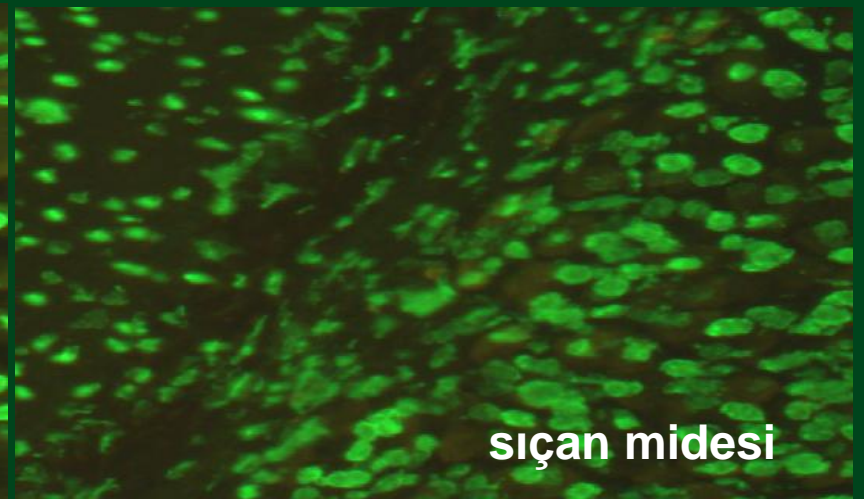
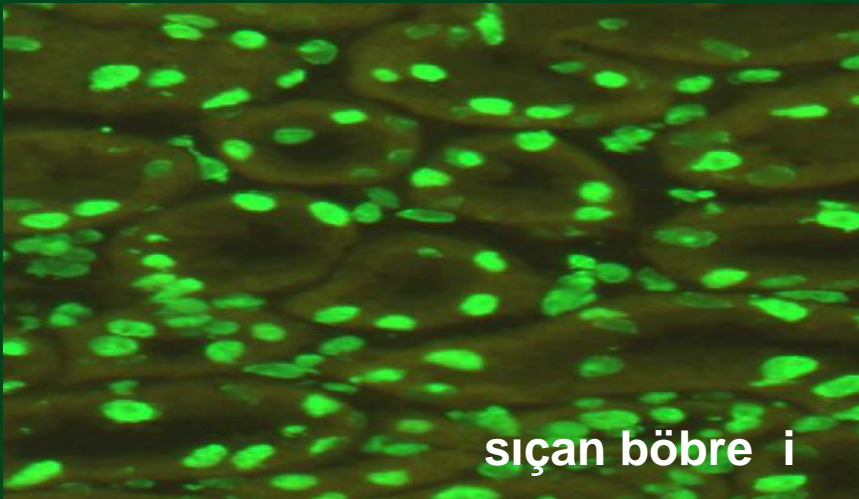
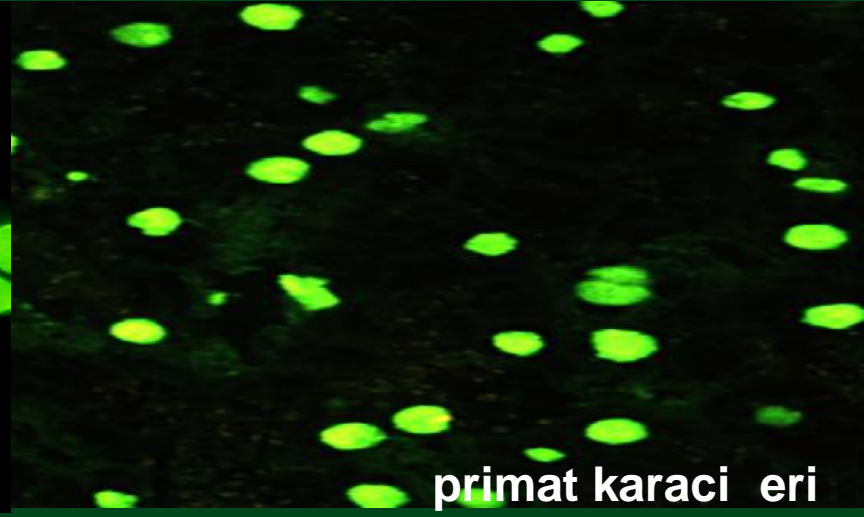
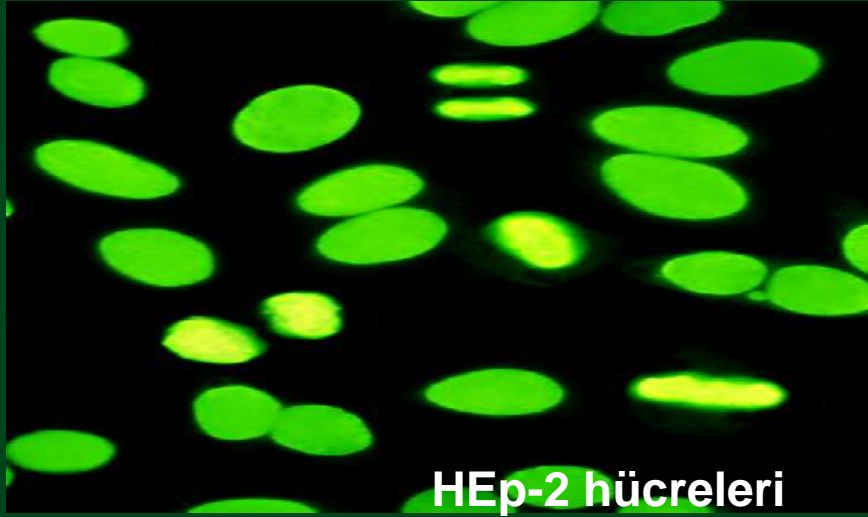


← karaciğer (primat)

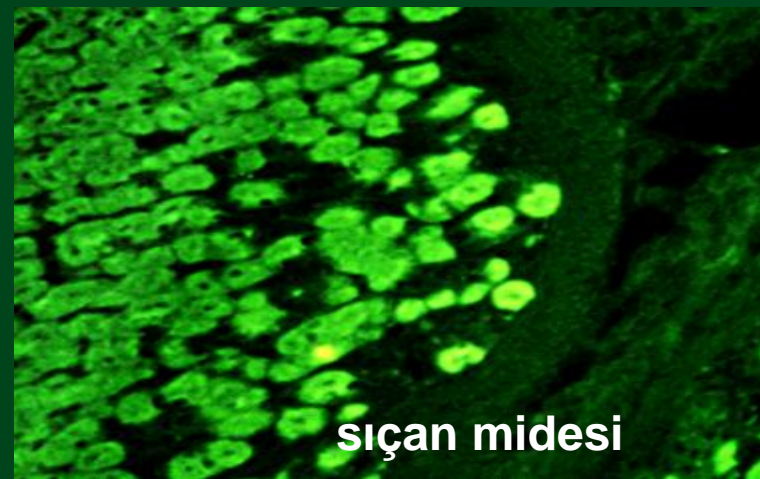
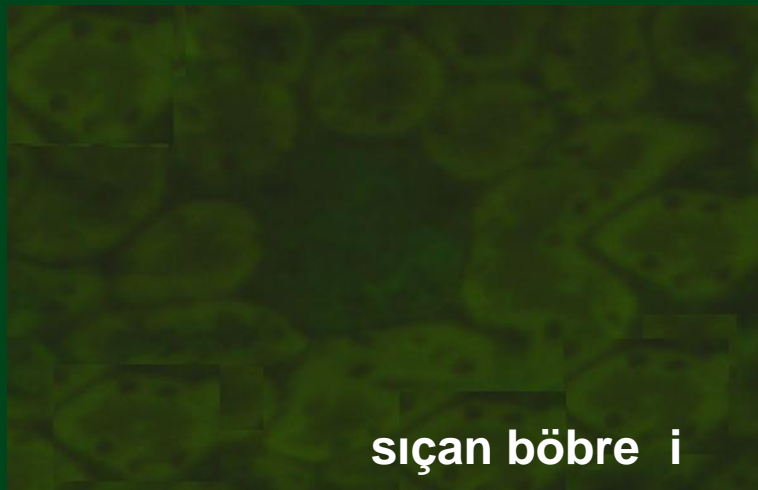
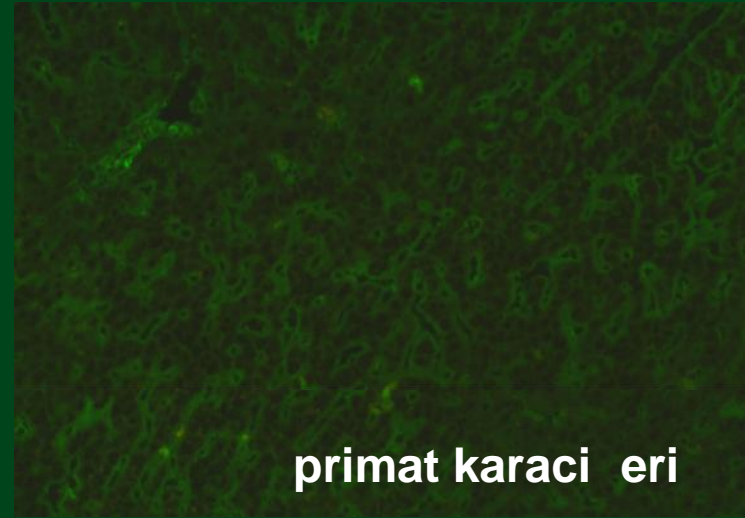
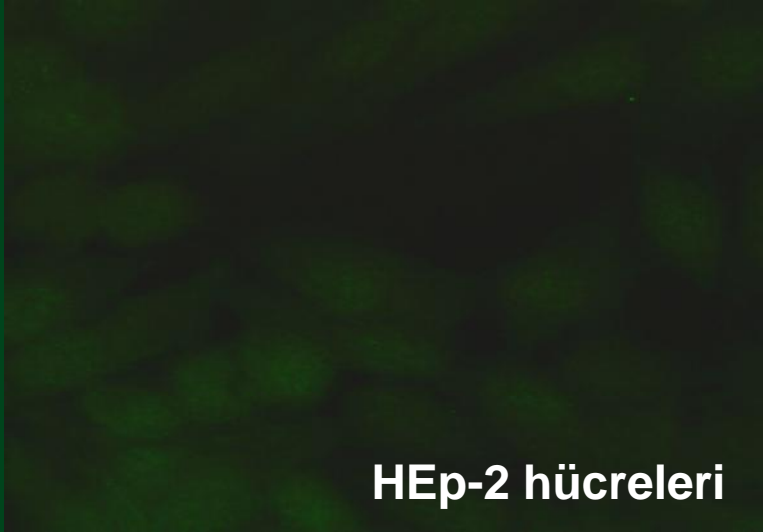
← mide (sıçan)



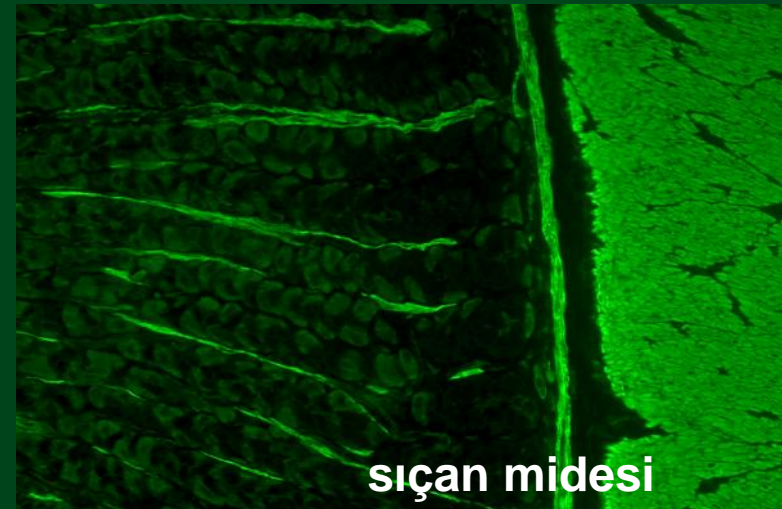
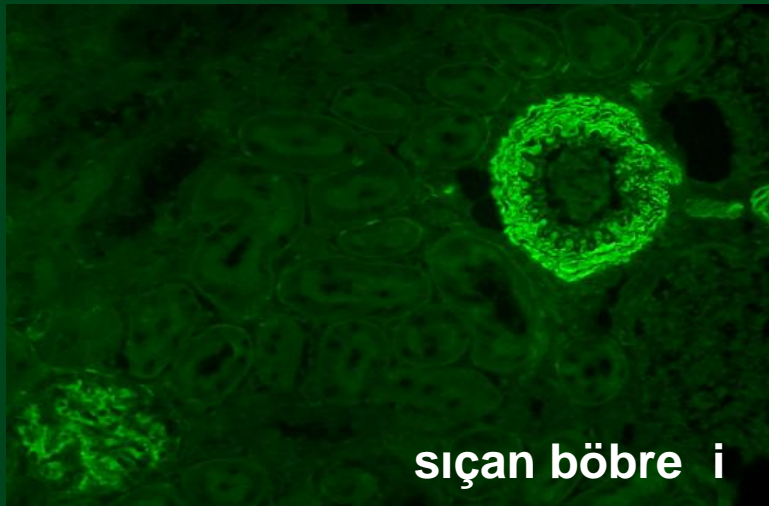
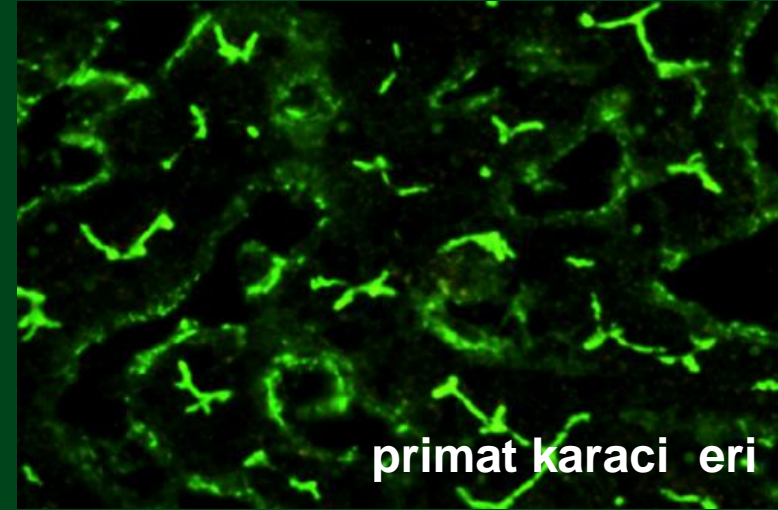
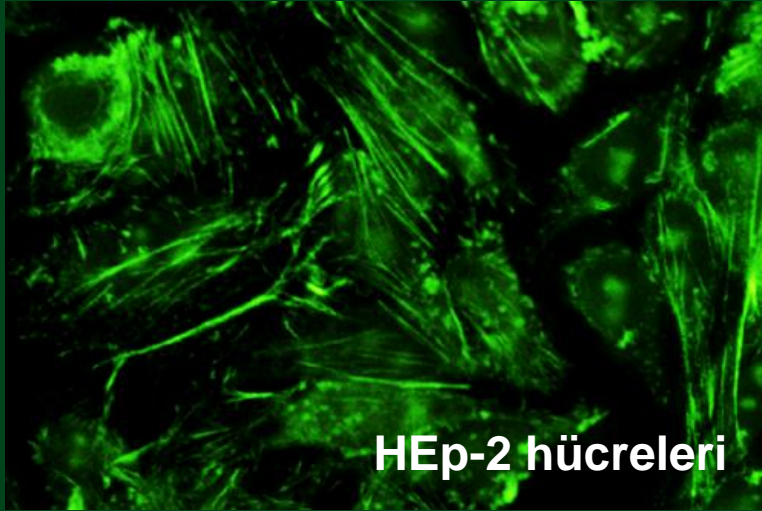
# ANA on Mosaic Basic Profile 3



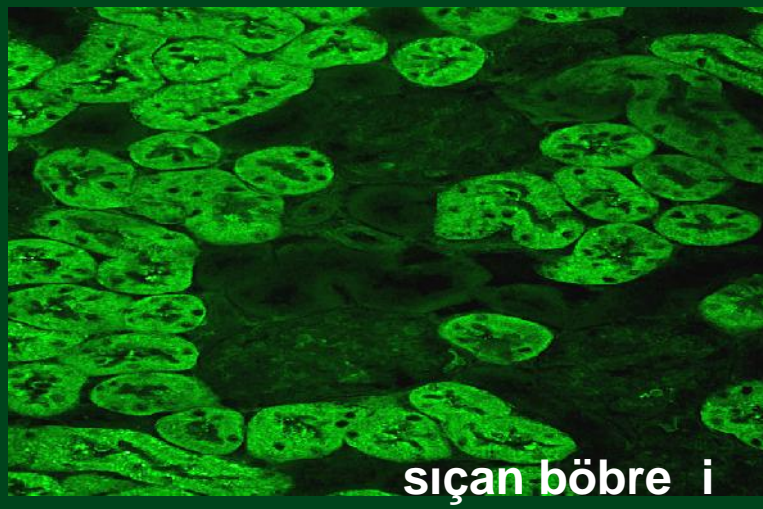
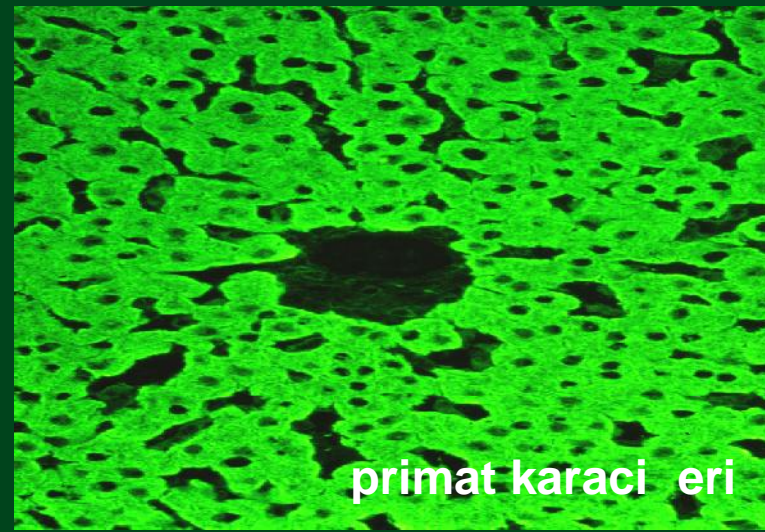
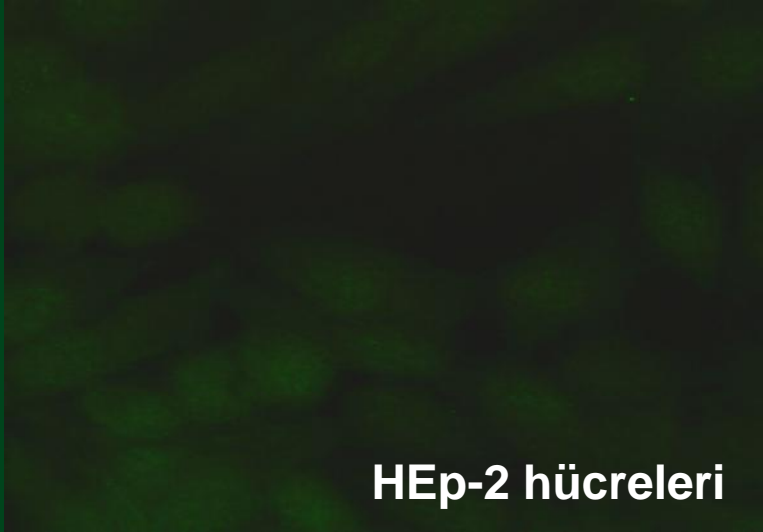
# PCA on Mosaic Basic Profile 3



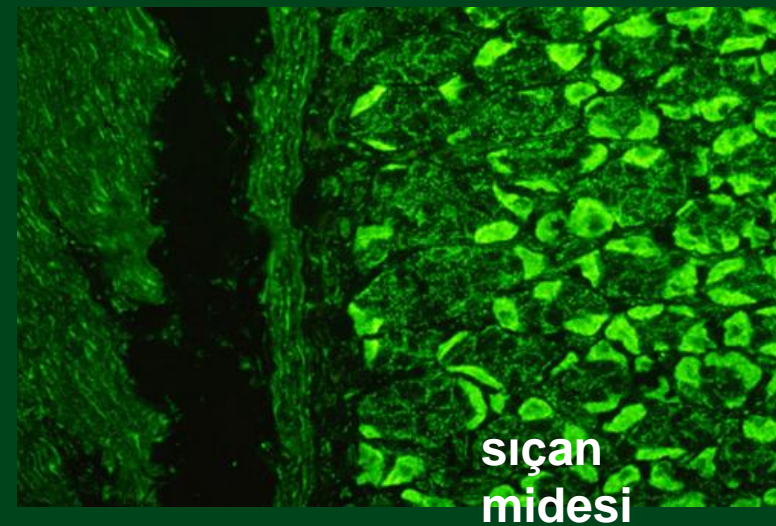
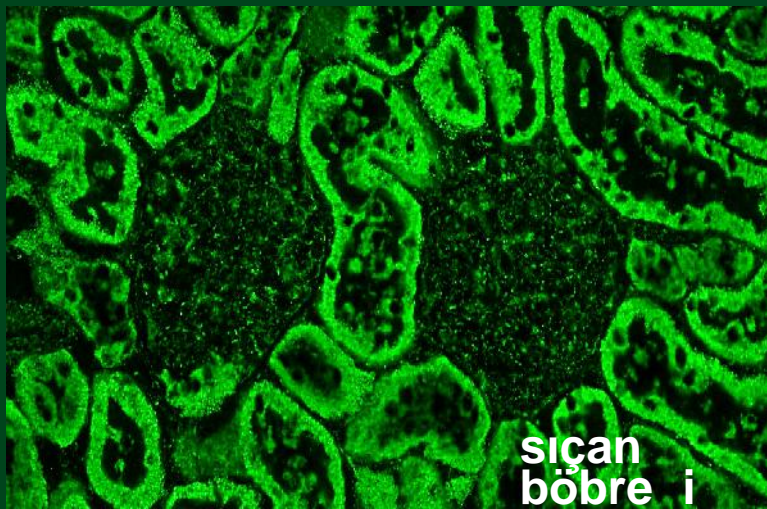
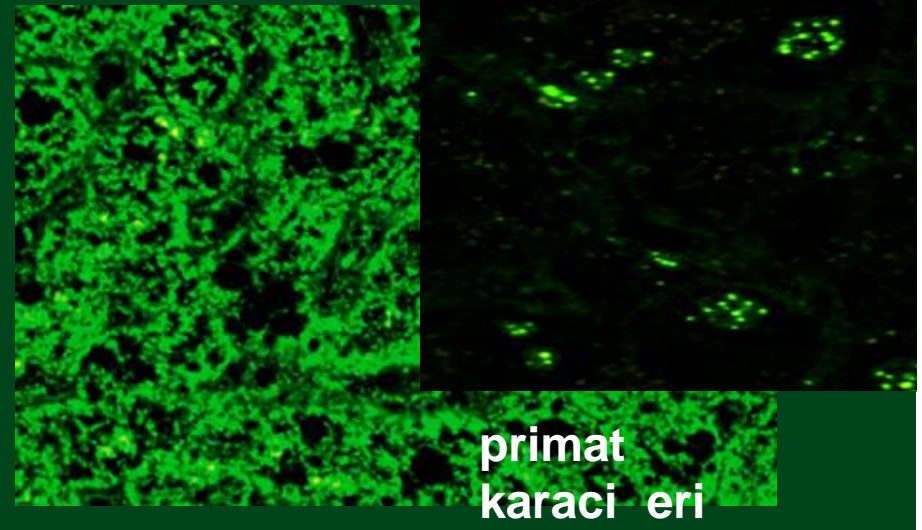
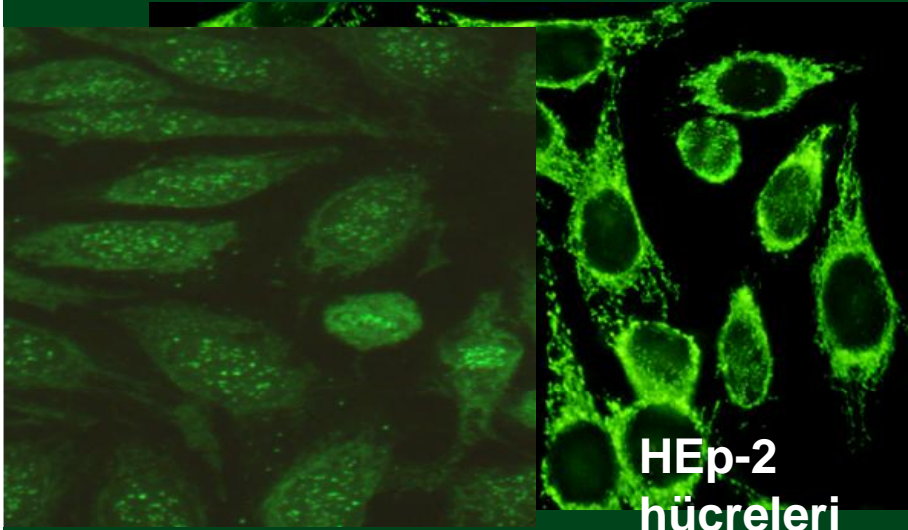
# ASMA on Mosaic Basic Profile 3



# LKM+LSP on Mosaic Basic Profile 3



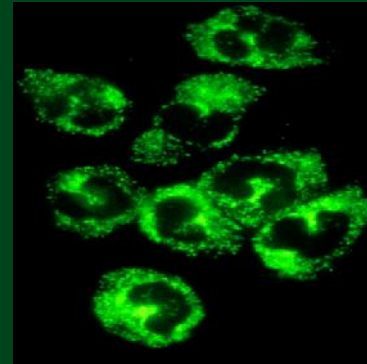
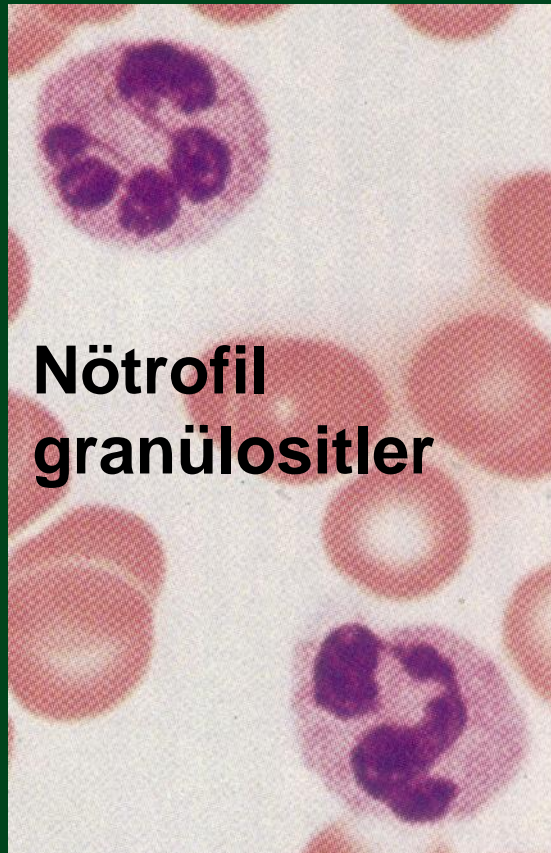
# AMA/ANA on Mosaic Basic Profile 3 (gold standard: rat kidney)



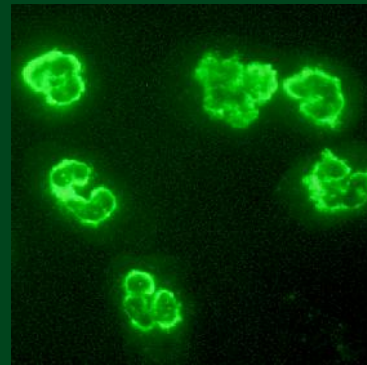
# ANCA

# ANCA

ANCA = **A**nti-**N**eutrophil **C**ytoplasm **A**utoantibodies

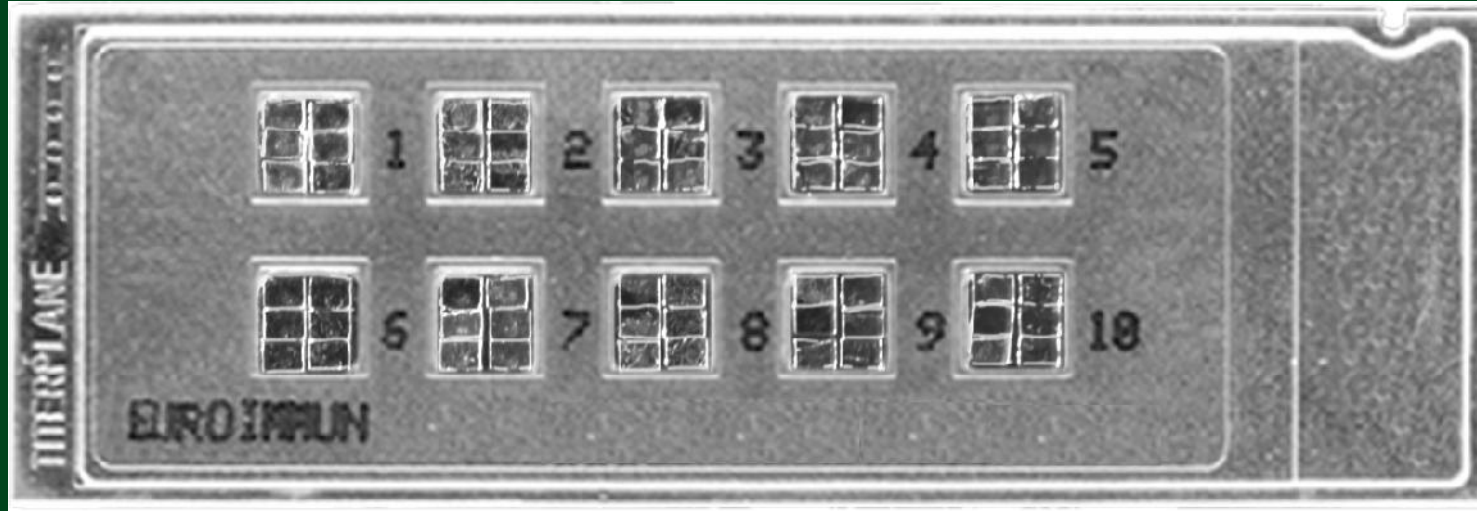


**cANCA:**  
Sitoplazmada  
granüller  
(**C**ytoplasm)

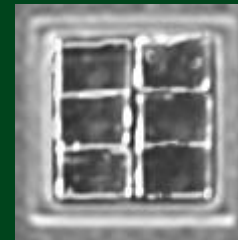


**pANCA:**  
Çekirde in  
etrafında  
granüller  
(**p**erinükleer)

# ANCA EUROPLUS™: FA 1201-23 IIFT ile Tarama



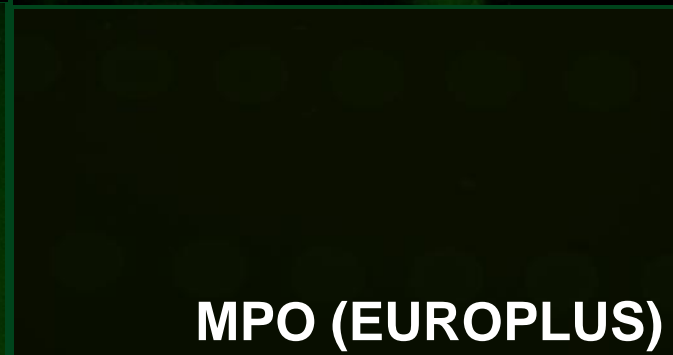
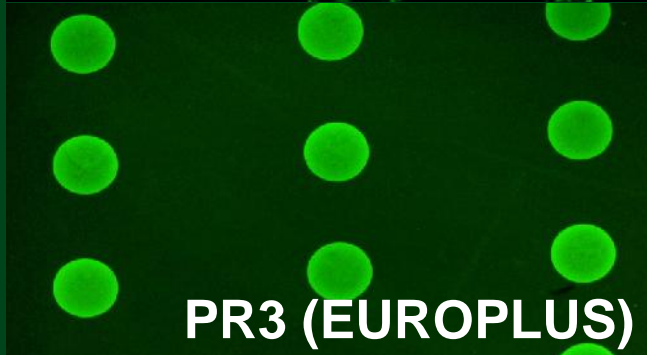
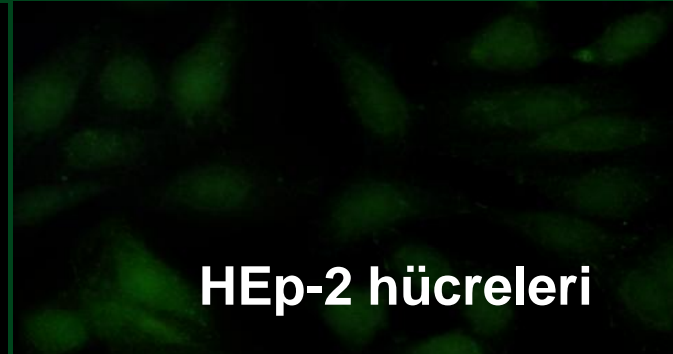
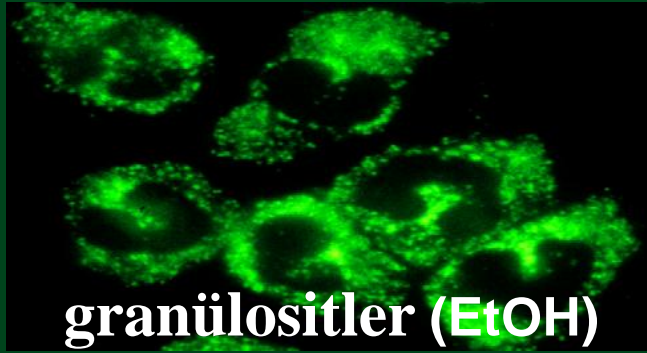
granüositler (ethanol-fikse) →  
granüositler (formalin-fikse) →  
PR3 (EUROPLUS) →



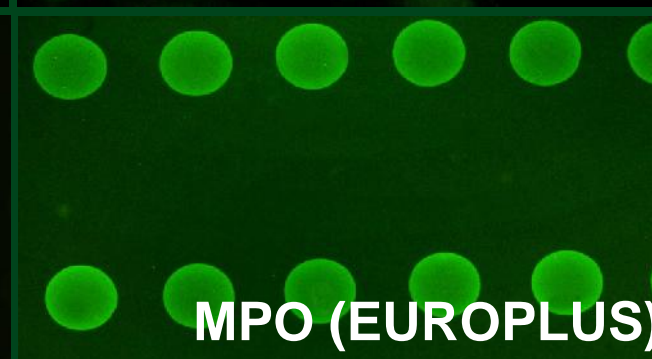
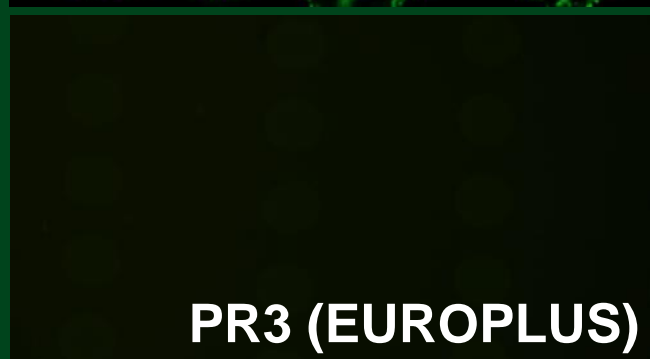
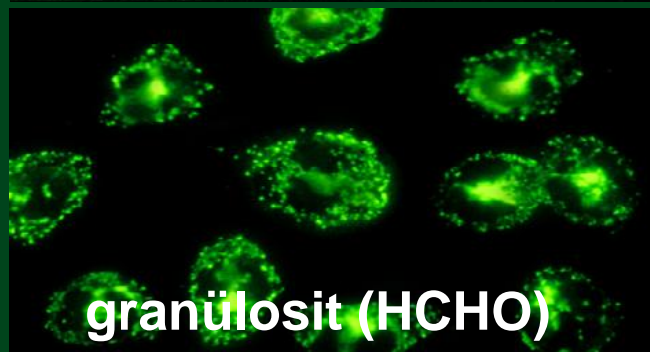
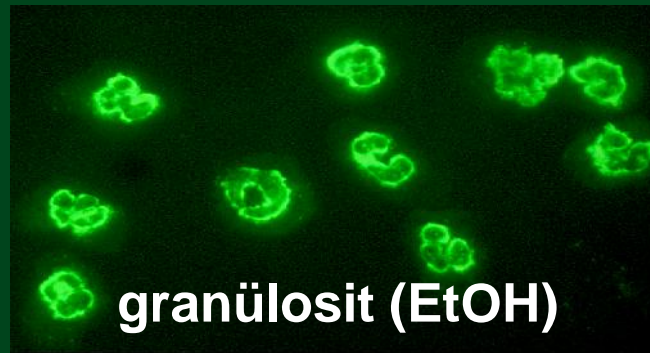
← primat karaci eri  
← HEp-2  
← MPO (EUROPLUS)



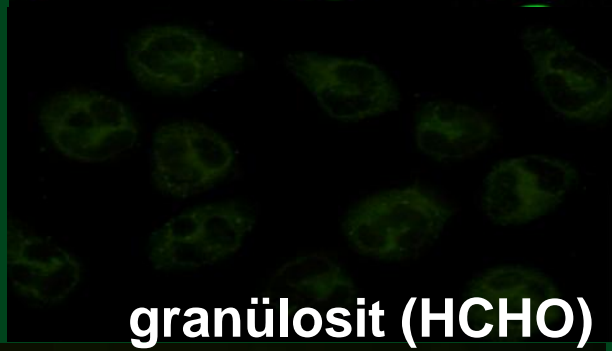
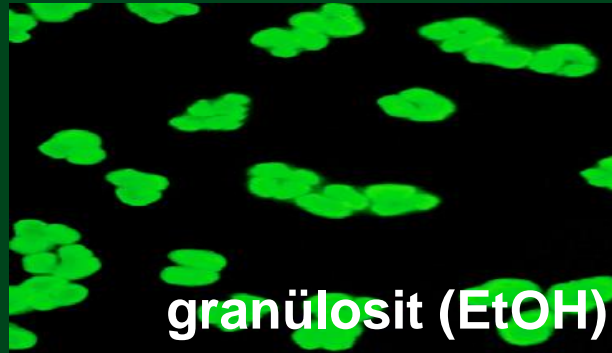
# cANCA



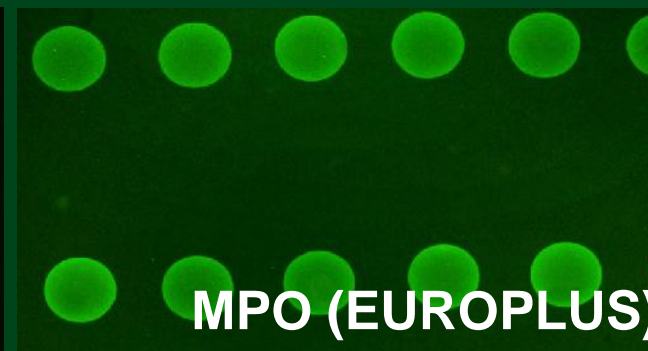
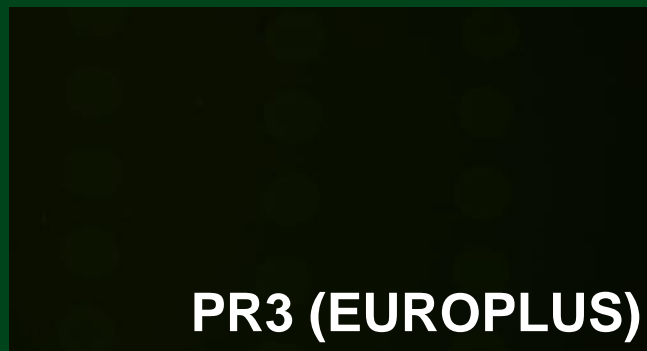
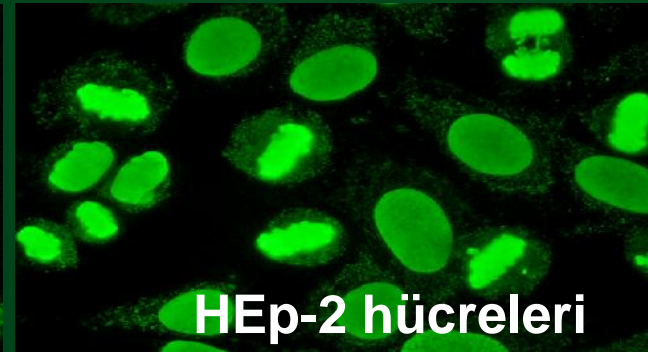
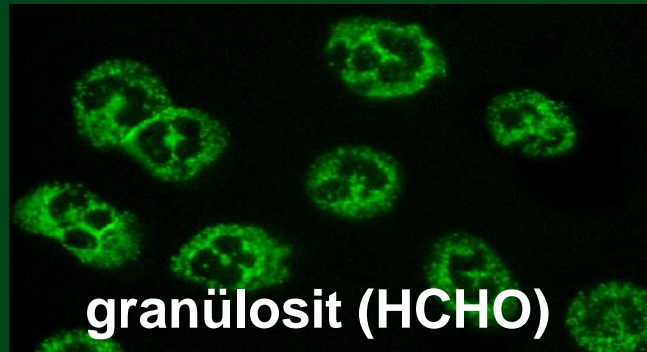
# P-ANCA formalin-rezistans



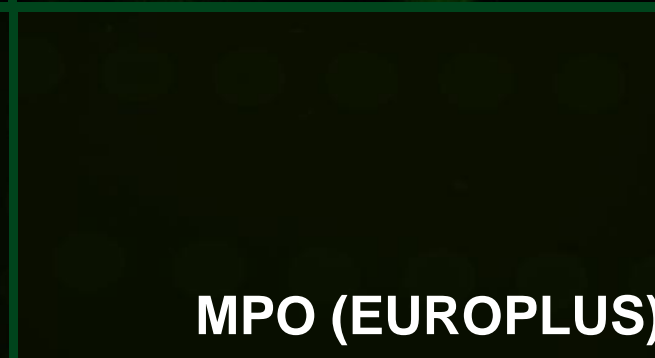
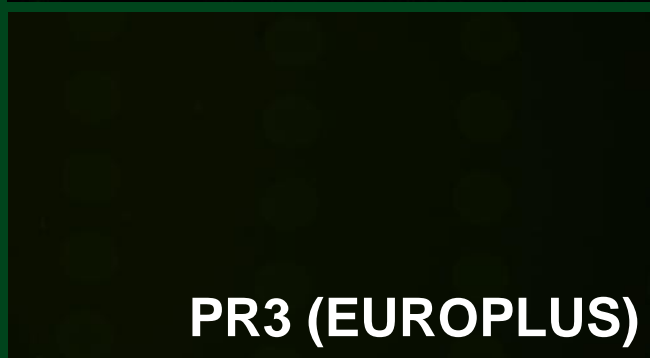
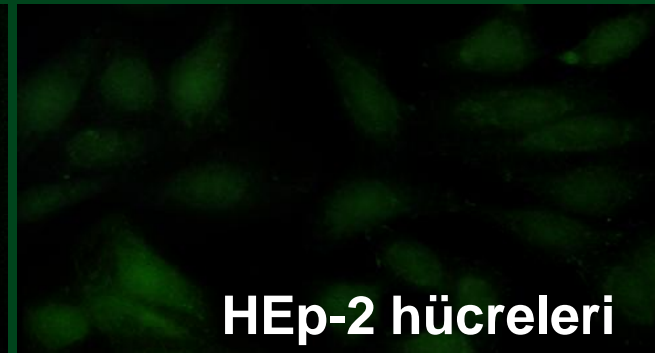
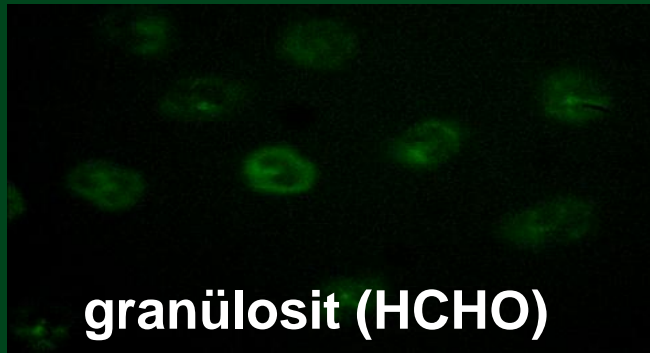
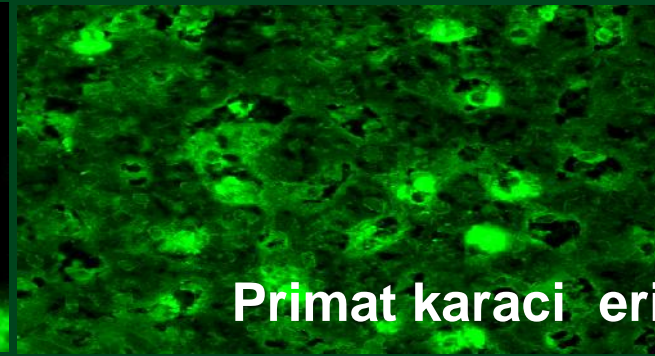
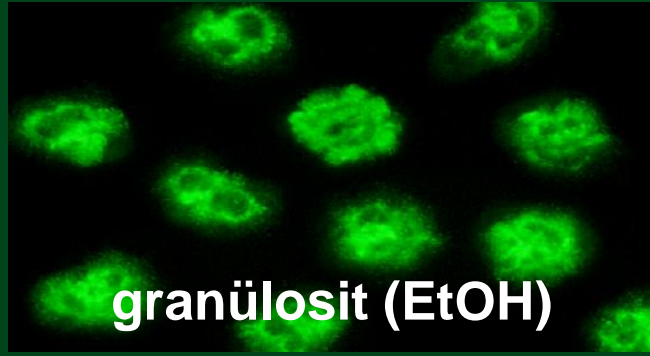
# ANA



# ANA & P-ANCA formalin-reziztans



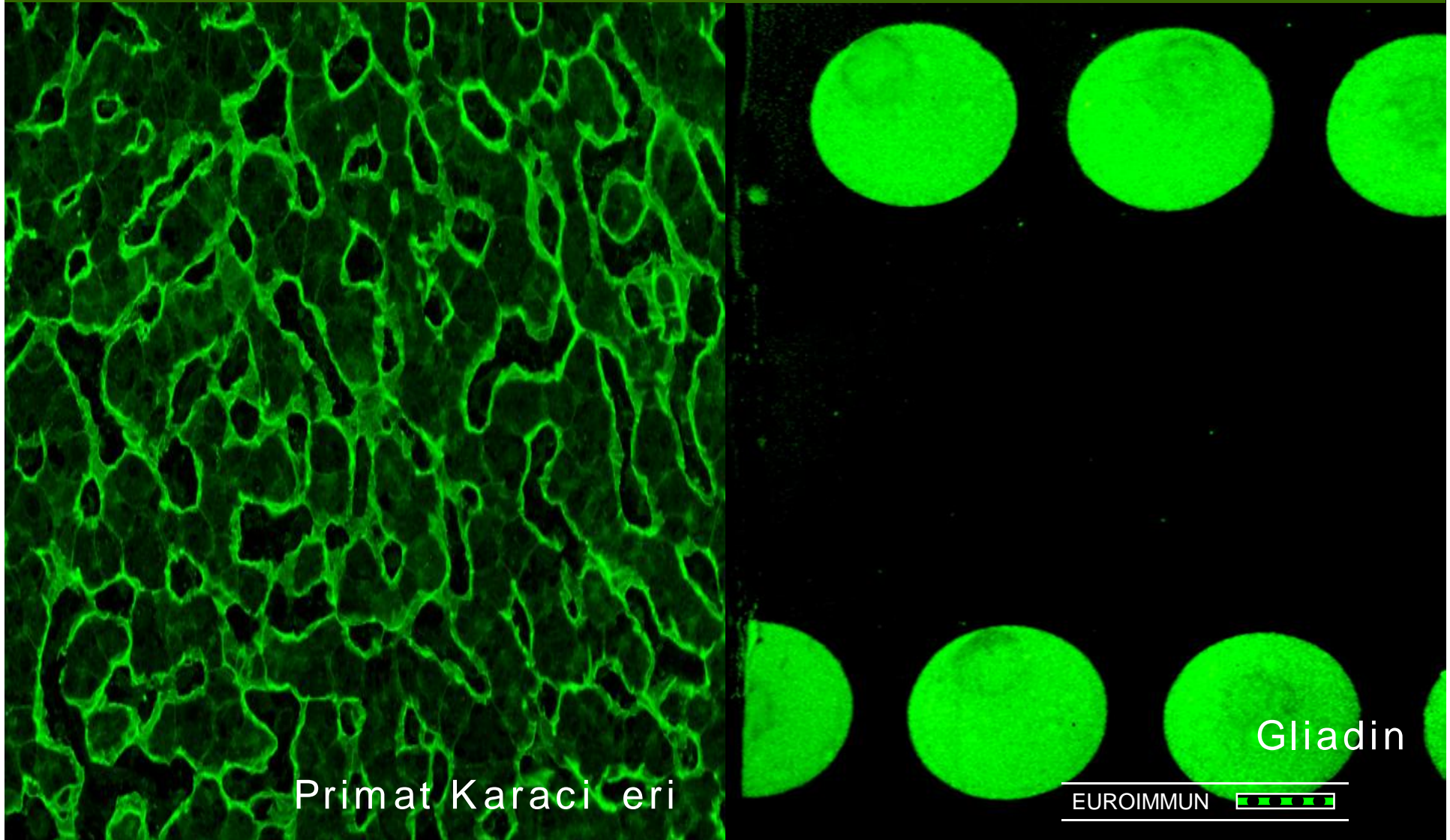
# P-ANCA formalin-duyarlı



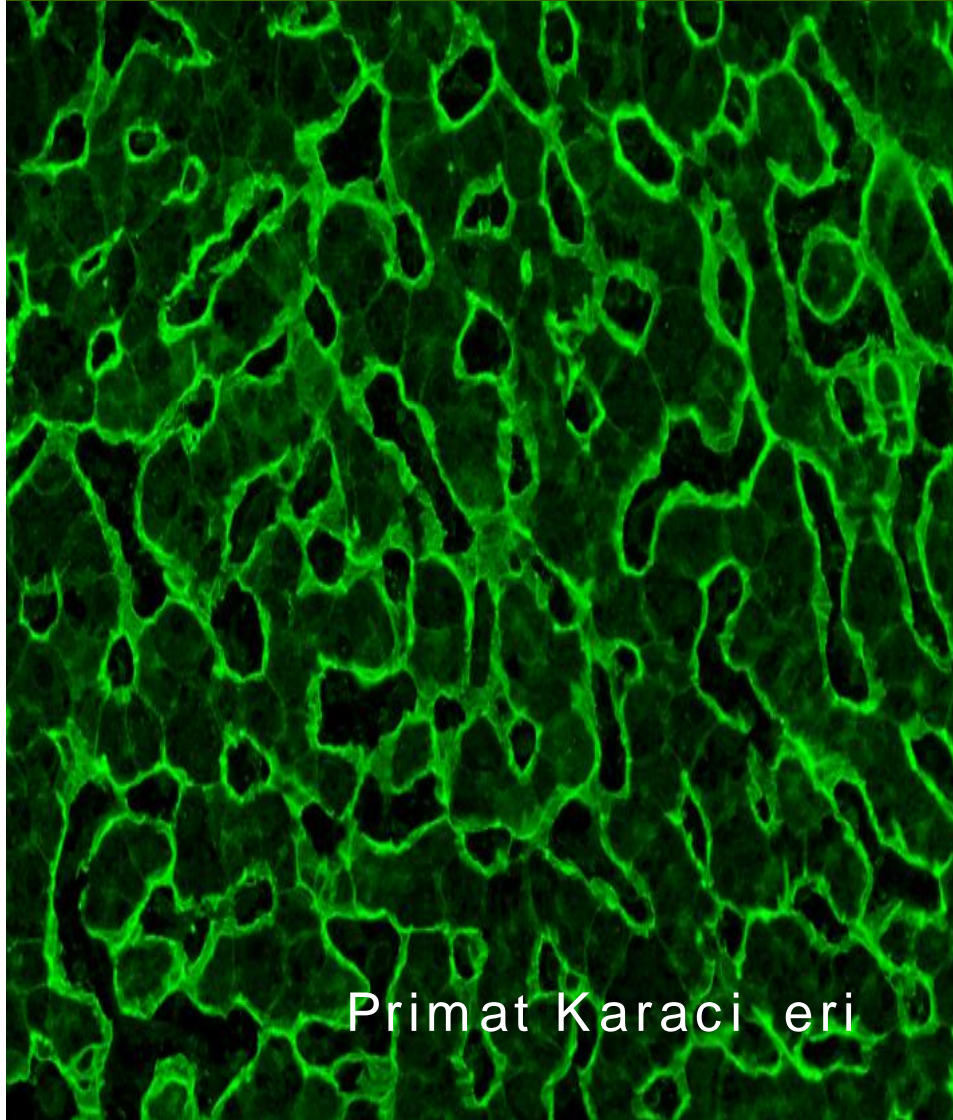
# Endomisyum+Gliadin



# EUROPLUS® Sistemi Endomisyum / Gliadin



# EUROPLUS® Sistemi Endomisyum / Gliadin

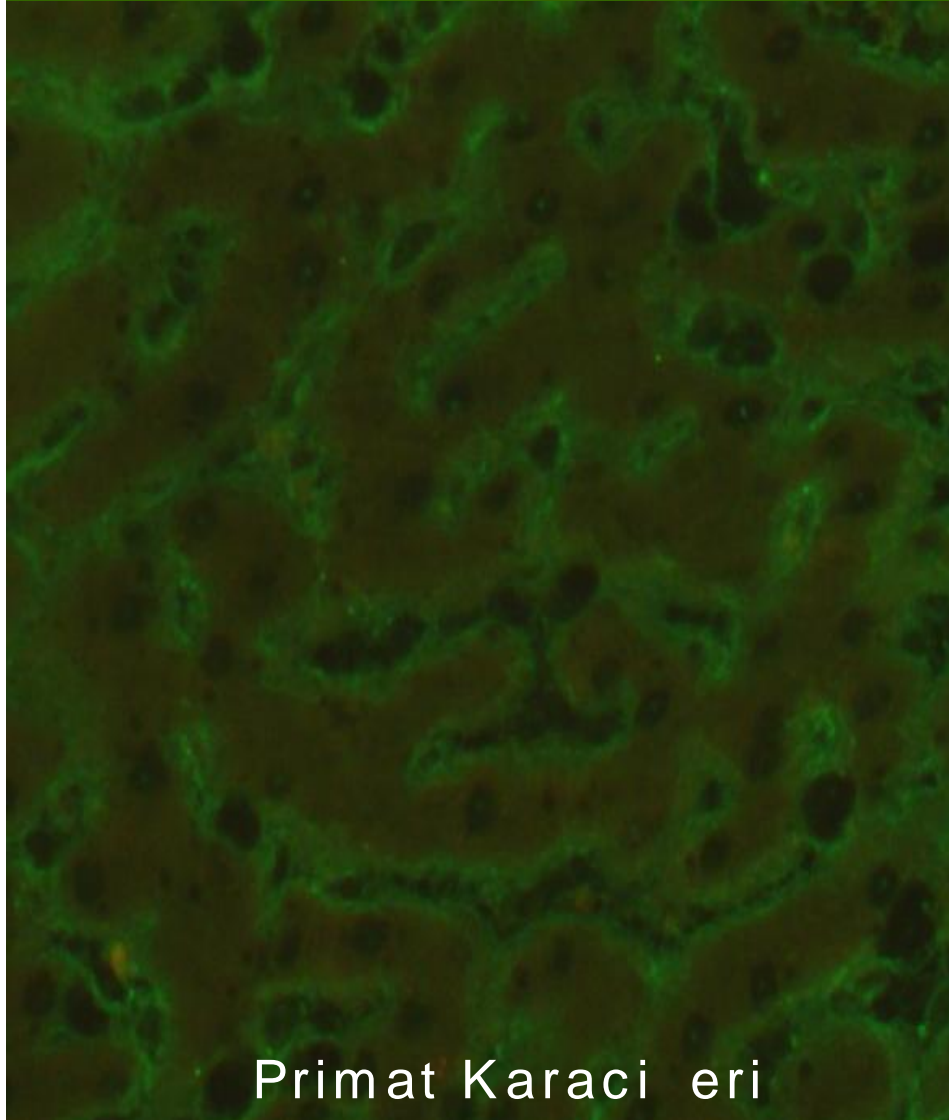


Primat Karaci eri

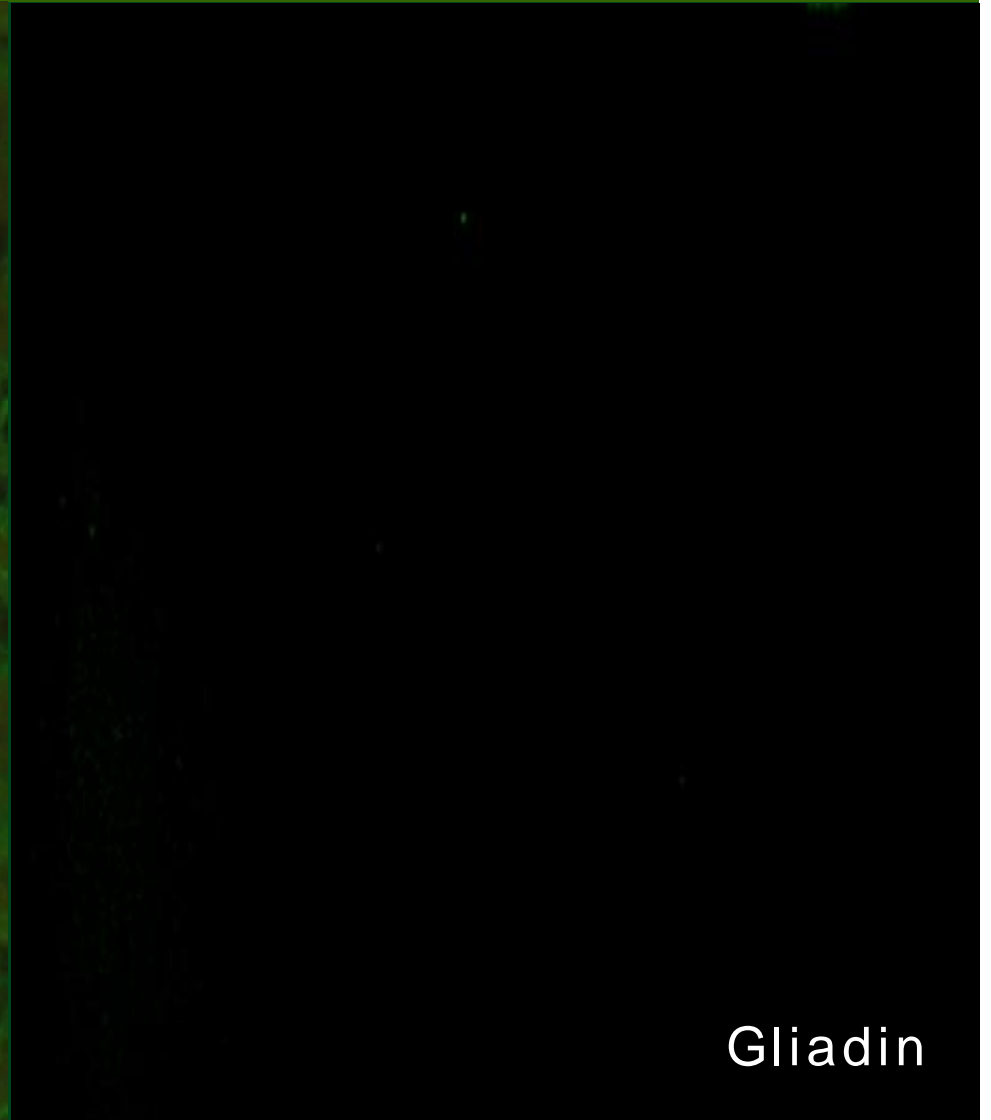
Gliadin



# EUROPLUS® Sistemi Endomisyum / Gliadin

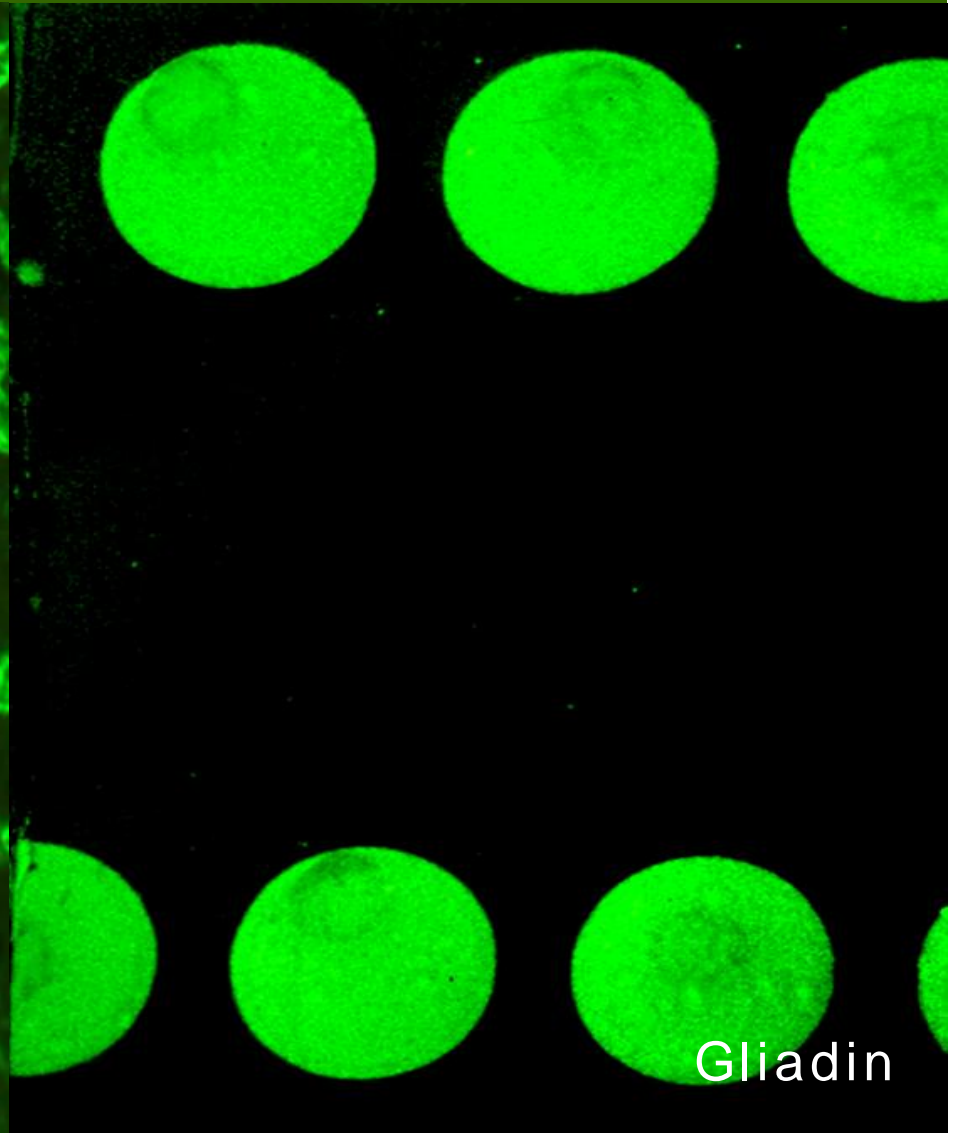
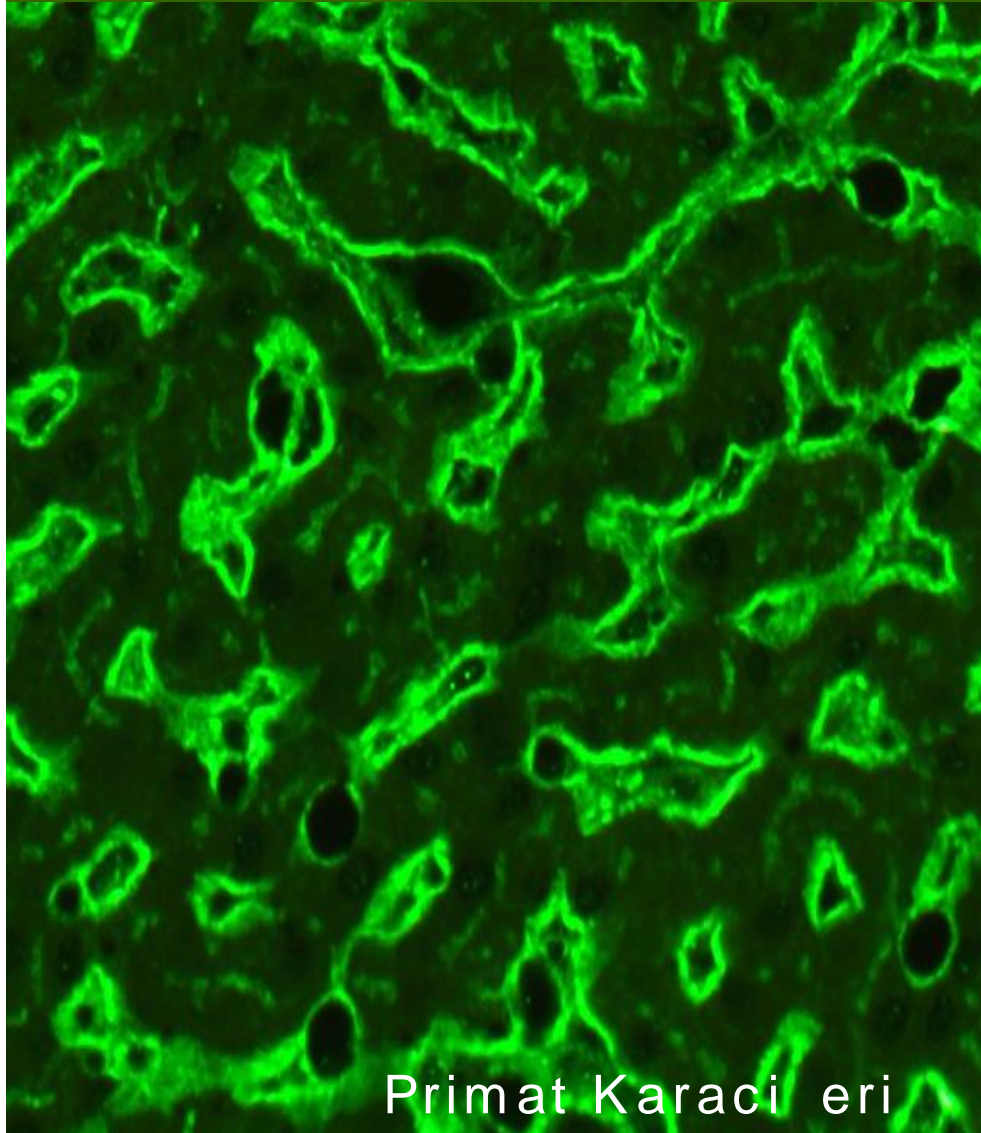


Primat Karaci eri

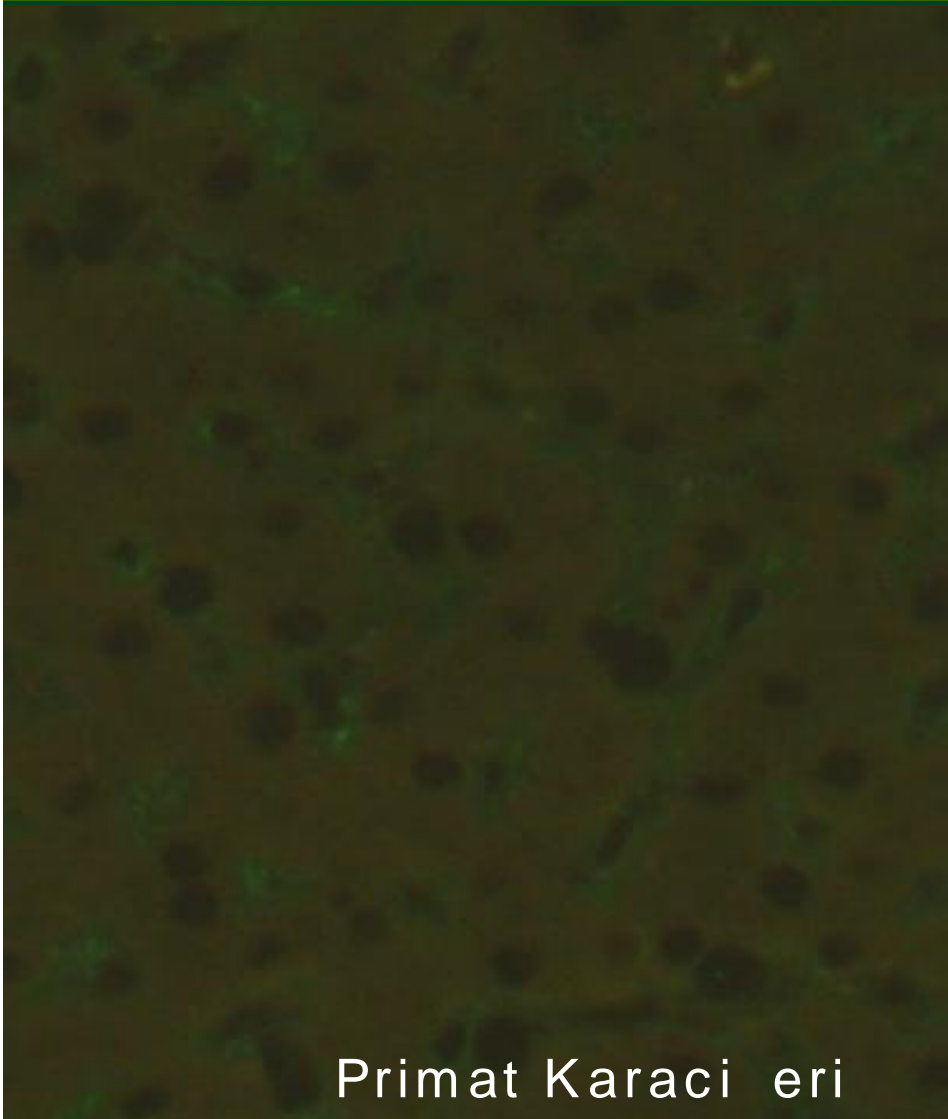


Gliadin

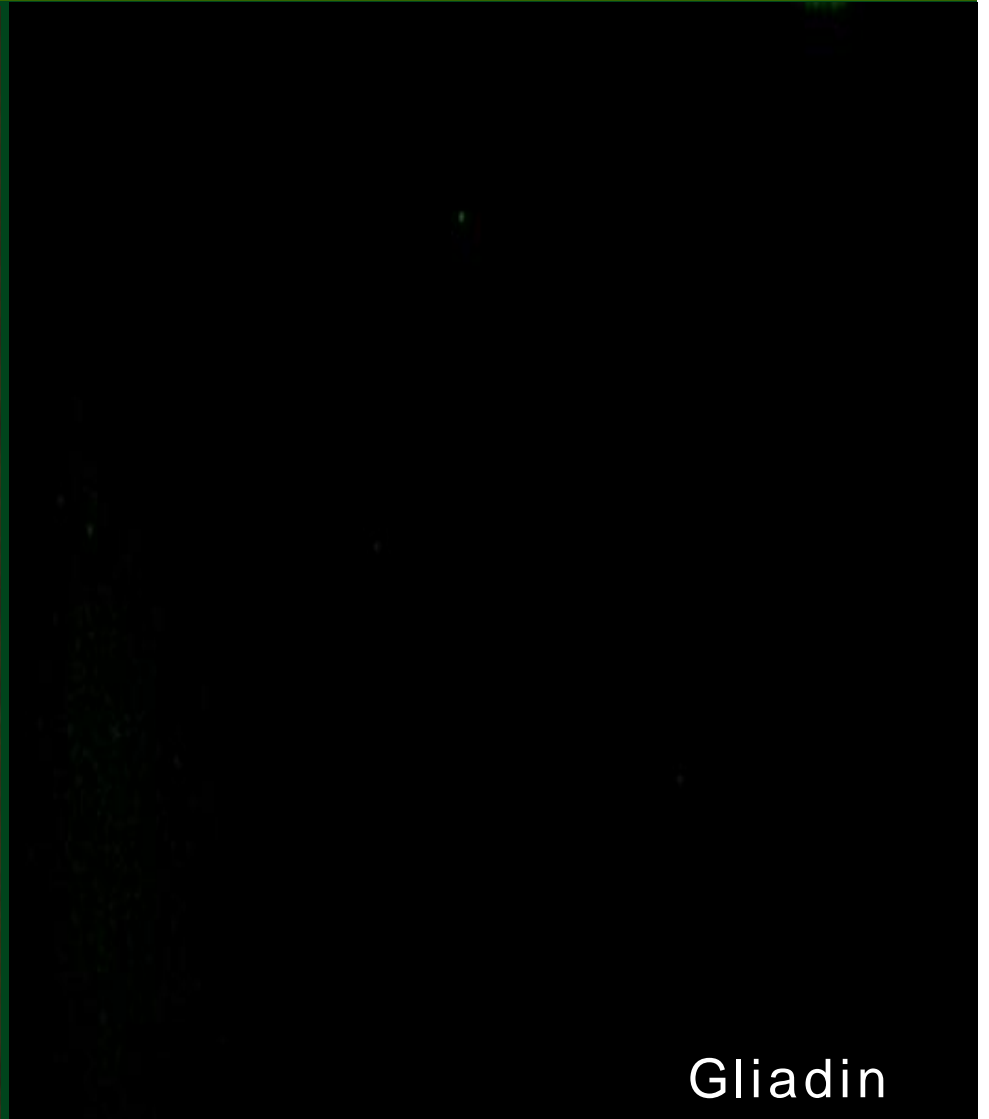
# EUROPLUS® Sistemi Endomisyum / Gliadin



# EUROPLUS® Sistemi Endomisyum / Gliadin



Primat Karaci eri



Gliadin