

MUC4 Monoclonal Antibody (1G8)

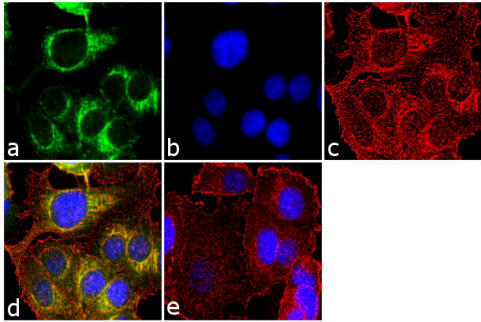
Product Details	
Size	100 µg
Species Reactivity	Rat, Mouse, Human
Published Species	Rat, Bovine, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1G8
Conjugate	Unconjugated
Immunogen	Rat ASGP-2
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533206

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	3 Publications
Immunohistochemistry (IHC)	Assay-dependent	6 Publications
Immunocytochemistry (ICC/IF)	2 µg/mL	3 Publications
Flow Cytometry (Flow)	-	2 Publications
ELISA (ELISA)	Assay-dependent	2 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

Product Images For MUC4 Monoclonal Antibody (1G8)

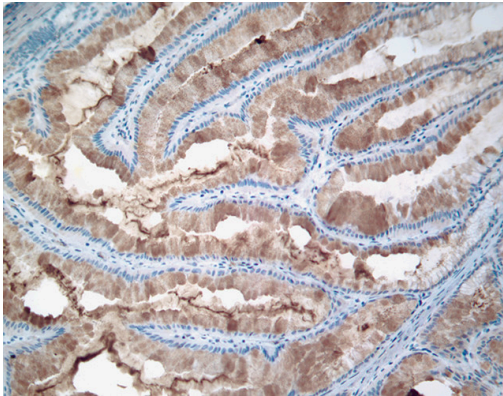
MUC4 Antibody (35-4900) in ICC/IF

Immunofluorescence analysis of MUC4/Mucin 4 was done on 70% confluent log phase MCF-7 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with MUC4 /Mucin 4 (1G8) Mouse Monoclonal Antibody (Product # 35-4900) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d is a merged image showing cytoplasmic localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.



MUC4 Antibody (35-4900) in IHC

Immunohistochemical staining of human colon polyps using MUC4 (Mucin 4) monoclonal antibody, mouse (clone 1G8) (Product # 35-4900).



[View more figures on thermofisher.com](https://thermofisher.com)

Western Blot (3)

BMC ophthalmology

Transcorneal but not transpalpebral electrical stimulation disrupts mucin homeostasis of the ocular surface.

"Published figure using MUC4 monoclonal antibody (Product # 35-4900) in Western Blot"

Authors: Yang M,Lennikov A,Chang K,Ashok A,Lee C,Cho KS,Utheim TP,Dartt DA,Chen DF

Year
2022

Journal of proteome research

Glycoproteomics of milk: differences in sugar epitopes on human and bovine milk fat globule membranes.

Authors: Wilson NL,Robinson LJ,Donnet A,Bovetto L,Packer NH,Karlsson NG

Year
2008

Species
Human
Bovine

[View more WB references on thermofisher.com](#)

Immunohistochemistry (6)

Scientific reports

Effects of acute intra-abdominal hypertension on multiple intestinal barrier functions in rats.

"35-4900 was used in immunohistochemistry to study intra-abdominal hypertension-induced changes in gastrointestinal permeability"

Authors: Leng Y,Yi M,Fan J,Bai Y,Ge Q,Yao G

Year
2016

Species
Rat

Dilution
1:200

Diagnostic pathology

Primary sclerosing epithelioid fibrosarcoma of kidney with variant histomorphologic features: report of 2 cases and review of the literature.

"35-4900 was used in immunohistochemistry to present two cases of primary sclerosing epithelioid fibrosarcoma of the kidney"

Authors: Ertoy Baydar D,Kosemehmetoglu K,Aydin O,Bridge JA,Buyukeren B,Aki FT

Year
2015

Species
Human

Dilution
1:50

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

ICC/IF (3)

Flow (2)

ELISA (2)

Misc (3)

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