

MUC1 Monoclonal Antibody (E29)

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	E29
Conjugate	Unconjugated
Immunogen	Delipidated extract of human milk fat globule membranes
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10985258

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:400-1:800	2 Publications
Immunocytochemistry (ICC)	-	1 Publication
Immunohistochemistry (IHC)	-	14 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

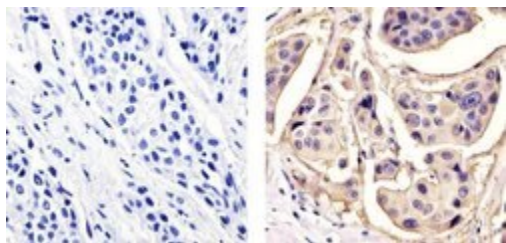
MA5-14077 targets Epithelial Membrane Antigen in IHC (P) applications and shows reactivity with Human samples.

The MA5-14077 immunogen is delipidated extract of human milk fat globule membranes.

Product Images For MUC1 Monoclonal Antibody (E29)

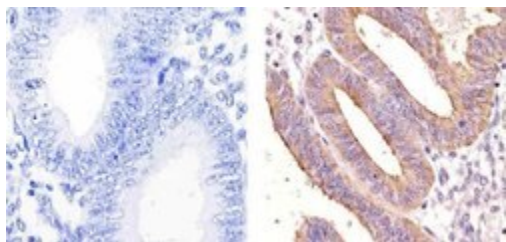
MUC1 Antibody (MA5-14077) in IHC (P)

Immunohistochemistry analysis of Mucin 1/MUC-1 (E29) showing staining in the membrane and weak cytoplasm of paraffin-embedded human breast carcinoma (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with a Mucin 1/MUC-1 Antibody (E29) Mouse Monoclonal Antibody (Product # MA5-14077) diluted in 3% BSA-PBS at a dilution of 1:100 for 1 hour at 37° C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



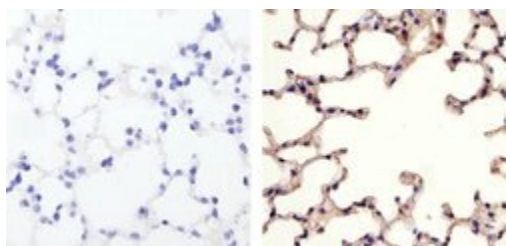
MUC1 Antibody (MA5-14077) in IHC (P)

Immunohistochemistry analysis of Mucin 1/MUC-1 (E29) showing staining in the cytoplasm and membrane of paraffin-embedded human uterus tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with a Mucin 1/MUC-1 Antibody (E29) Mouse Monoclonal Antibody (Product # MA5-14077) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37° C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



MUC1 Antibody (MA5-14077) in IHC (P)

Immunohistochemistry analysis of Mucin 1/MUC-1 (E29) showing staining in the cytoplasm and membrane of paraffin-embedded mouse lung tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with a Mucin 1/MUC-1 Antibody (E29) Mouse Monoclonal Antibody (Product # MA5-14077) diluted in 3% BSA-PBS at a dilution of 1:20 for 1 hour at 37°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



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18 References

Immunohistochemistry (14)

Sarcoma

Dedifferentiated Liposarcoma of the Retroperitoneum with Extensive Leiomyosarcomatous Differentiation and beta-Human Chorionic Gonadotropin Production.

"MA5-14077 was used in immunohistochemistry to report a clinical case of dedifferentiated liposarcoma of the retroperitoneum with unique features"

Authors: Russell MJ, Flynt FL, Harroff AL, Fadare O

Species
Human

Dilution
Not Cited

Year
2011

Auris, nasus, larynx

An immunohistochemical profile of giant cell carcinoma of the larynx.

"MA5-14077 was used in immunohistochemistry to report on a case of giant cell carcinoma of the larynx"

Authors: Gurbuz Y, Kose N, Aydin O, Ozturk M

Species
Human

Dilution
Not Cited

Year
2007

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

Immunohistochemistry (Paraffin) (2)

Pathology, research and practice

Oncocytic papillary renal cell carcinoma: A clinicopathological and genetic analysis and indolent clinical course in 14 cases.

"MA514077 was used in immunohistochemistry - paraffin section to characterize cases of oncocytic papillary renal cell carcinoma"

Authors: Han G, Yu W, Chu J, Liu Y, Jiang Y, Li Y, Zhang W

Species
Human

Dilution
1:50

Year
2017

Scientific reports

Diagnostic and therapeutic strategy and the most efficient prognostic factors of breast malignant fibrous histiocytoma.

"MA5-14077 was used in immunohistochemistry - paraffin section to report the clinicopathological features of 9 breast malignant fibrous histiocytoma patients"

Authors: Qiu SQ, Wei XL, Huang WH, Wu MY, Qin YS, Li YK, Zhang GJ

Species
Not Applicable

Dilution
1:200

Year
2014

More applications with references on thermofisher.com

ICC (1) Neu (1)

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