

MUC5AC Monoclonal Antibody (45M1), Biotin

Product Details

Size	500 µL
Species Reactivity	Chicken, Cat, Human, Mouse, Non-human primate, Pig, Rabbit, Rodent, Rat
Published Species	Avian, Rat, Pig, Hamster, Human, Mouse, Guinea pig
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	45M1
Conjugate	Biotin
Immunogen	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b-) patient
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10983421

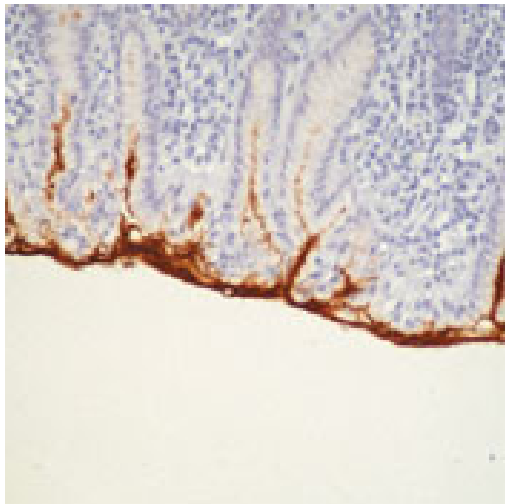
Applications	Tested Dilution	Publications
Western Blot (WB)	-	21 Publications
Immunohistochemistry (IHC)	-	79 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	-	26 Publications
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	-	51 Publications
Immunoprecipitation (IP)	-	1 Publication
Neutralization (Neu)	-	1 Publication

Product Specific Information

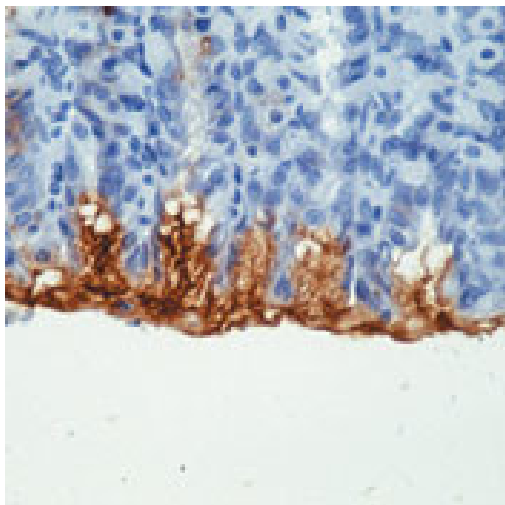
MA5-12175 targets Mucin 5AC in IHC (P) applications and shows reactivity with Chicken, Feline, Human, mouse, Non-human primate, Porcine, Rabbit, Hedgehog, and Rat samples.

The MA5-12175 immunogen is m1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b-) patient.

Product Images For MUC5AC Monoclonal Antibody (45M1), Biotin



MUC5AC Antibody (MA5-12175) in IHC (P)
Formalin-fixed, paraffin-embedded human stomach stained with Mucin 5AC antibody using peroxidase-conjugate and DAB chromogen. Note staining of extracellular mucins in the surface of the stomach.



MUC5AC Antibody (MA5-12175) in IHC (P)
Formalin-fixed, paraffin-embedded rat stomach stained with Mucin 5AC antibody using peroxidase-conjugate and DAB chromogen. Note cytoplasmic and surface staining of mucous cells.

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Western Blot (21)

<p>American journal of physiology. Lung cellular and molecular physiology</p> <p>Protein composition of bronchoalveolar lavage fluid and airway surface liquid from newborn pigs.</p> <p>"MA5-12175 was used in western blot to develop methods to study the proteome of the fluid lining the porcine lung"</p> <p>Authors: Bartlett JA,Albertolle ME,Wohlford-Lenane C,Pezzulo AA,Zabner J,Niles RK,Fisher SJ,McCray PB,Williams KE</p>	<p>Year 2013</p> <p>Species Pig</p> <p>Dilution 1:500</p>
<p>Experimental lung research</p> <p>TGF- decreases baseline and IL-13-stimulated mucin production by primary human bronchial epithelial cells.</p> <p>"MA5-12175 was used in western blot to study the regulation of basal and IL-13-stimulated primary human bronchial epithelial cell mucin production by TGF-beta2"</p> <p>Authors: Harrop CA,Gore RB,Evans CM,Thornton DJ,Herrick SE</p>	<p>Year 2013</p> <p>Species Human</p>

View more WB references on thermofisher.com

Immunohistochemistry (79)

<p>Nature medicine</p> <p>Transcriptional analysis of cystic fibrosis airways at single-cell resolution reveals altered epithelial cell states and composition.</p> <p>"MA5-12175 was used in Immunohistochemistry to yield a molecular atlas of the proximal airway epithelium that will provide insights for the development of new targeted therapies for CF airway disease."</p> <p>Authors: Carraro G,Langerman J,Sabri S,Lorenzana Z,Purkayastha A,Zhang G,Konda B,Aros CJ,Calvert BA,Szymaniak A,Wilson E,Mulligan M,Bhatt P,Lu J,Vijayaraj P,Yao C,Shia DW,Lund AJ,Israely E,Rickabaugh TM,Ernst J,Mense M,Randell SH,Vladar EK,Ryan AL,Plath K,Mahoney JE,Stripp BR,Gomperts BN</p>	<p>Year 2021</p> <p>Species Human</p>
<p>The Journal of experimental medicine</p> <p>Core 1-derived mucin-type O-glycosylation protects against spontaneous gastritis and gastric cancer.</p> <p>"Published figure using MUC5AC monoclonal antibody (Product # MA5-12175) in Immunohistochemistry"</p> <p>Authors: Liu F,Fu J,Bergstrom K,Shan X,McDaniel JM,McGee S,Bai X,Chen W,Xia L</p>	<p>Year 2020</p> <p>Species Mouse</p> <p>Dilution 1:100</p>

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More applications with references on thermofisher.com

- ICC/IF (26)
- Flow (1)
- ELISA (51)
- IP (1)
- Neu (1)

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