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Anti-MUC5AC Antibody (clone 45M1)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17387

Product Information

Application	IHC-P, FC
Primary Accession	P98088
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	45M1
Calculated MW	585570
Concentration (mg/ml)	0.2 mg/ml

Additional Information

Gene ID	4586
Alias Symbol	MUC5AC
Other Names	MUC5AC, Gastric mucin, Major airway glycoprotein, Muc5/5ac, Mucin-5AC, LeB, Lewis B blood group antigen, Tracheobronchial mucin, TBM, MUC-5AC, MUC5
Target/Specificity	Human MUC5AC
Reconstitution & Storage	PBS, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Precautions	Anti-MUC5AC Antibody (clone 45M1) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MUC5AC {ECO:0000303|PubMed:11535137, ECO:0000312|HGNC:HGNC:7515}
Function	Gel-forming glycoprotein of gastric and respiratory tract epithelia that protects the mucosa from infection and chemical damage by binding to inhaled microorganisms and particles that are subsequently removed by the mucociliary system (PubMed:14535999, PubMed:14718370). Interacts with H.pylori in the gastric epithelium, Barrett's esophagus as well as in gastric metaplasia of the duodenum (GMD) (PubMed:14535999).
Cellular Location	Secreted

Tissue Location	Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia. Overexpressed in a number of carcinomas. Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.