Catalog # 4588-MSM1X
Product Datasheet

MUC6 (Mucin 6 / Gastric Mucin) Antibody

Mouse Monoclonal Antibody [Clone SPM598]

Catalog No	Format	Size
4588-MSM1X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4588-MSM1X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4588-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

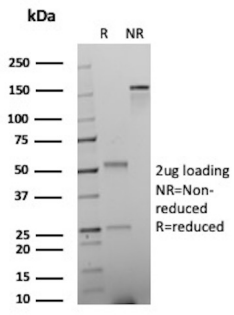
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

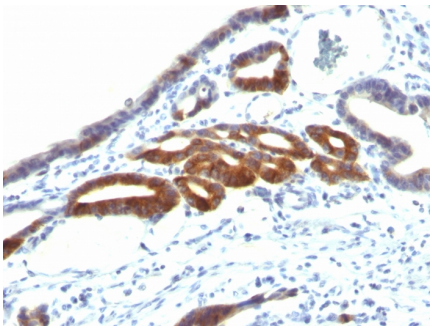
Clone	SPM598
Gene Name	MUC6
Immunogen	A synthetic peptide of the Gastric Mucin 6 tandem repeat sequence
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	252kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Human stomach tissue (IHC).

**Optimal dilution for a specific application should be determined.*

Product Images for MUC6 (Mucin 6 / Gastric Mucin) Antibody



SDS-PAGE Analysis of Purified Mucin-6 Mouse Monoclonal Antibody (SPM598). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC6 Monoclonal Antibody (SPM598).

Specificity & Comments

The MUC6 gastric mucin is a secreted glycoprotein that plays an essential role in epithelial cyto-protection from acid, proteases, pathogenic microorganisms, and mechanical trauma in the gastrointestinal tract. Mucin 6 expression is highest in the stomach and gall bladder, with lower expression in the terminal ileum and right colon. In gastric cancer, Mucin 6 has an altered expression. In normal stomach, Mucin 6 is associated with Lewis type 2; Mucin 6 is also expressed in gastric metaplasia, duodenum and pancreas. Mucin 6 is a secretory mucin, located in the deeper mucosal folds of human gall bladder, and its expression is altered with increasing degrees of inflammation.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.