

MUC4 (Mucin 4 / Gastric Mucin) Antibody

Mouse Monoclonal Antibody [Clone MUC4/3105]

Catalog No	Format	Size
4585-MSM5-IHC7	7.0ml of Prediluted Antibody for IHC	7.0 ml

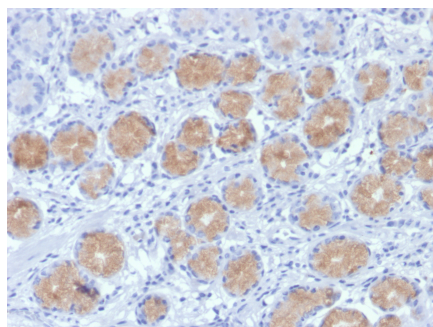
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	MUC4/3105
Gene Name	MUC4
Immunogen	Recombinant fragment (around aa 1730-1864) of human MUC4 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	235kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	Human stomach, colon or esophagus.

*Optimal dilution for a specific application should be determined.

Product Images for MUC4 (Mucin 4 / Gastric Mucin) Antibody



Formalin-fixed, paraffin-embedded human stomach stained with Mucin 4 Mouse Monoclonal Antibody (MUC4/3105).

Specificity & Comments

The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. MUC-4 transcripts have been detected in normal respiratory epithelium and lung. MUC-4 is a very specific (100%) and sensitive (90%) marker of lung adenocarcinomas and is negative for mesotheliomas. Reportedly, MUC-4 expression in invasive ductal carcinoma of the pancreas is an independent factor for poor prognosis.

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.

Supplied As

7.0ml of Ready-to-Use for IHC staining of formalin-fixed paraffin-embedded tissues.

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

Cardiovascular, Immunology, Infectious Disease