MUC5AC Antibody [clone 1-13M1] (V2733)

Catalog No.	Formulation	Size
V2733-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2733-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2733SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (10)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1-13M1
Purity	Protein G affinity chromatography
UniProt	P98088
Localization	Cytoplasmic
Applications	ELISA (order BSA/sodium Azide-free Format) :
Limitations	This MUC5AC antibody is available for research use only.

Description

This mAb recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC). Its epitope is located in the peptide core of MUC5AC. Its epitope is destroyed by beta-mercaptoethanol but not by periodate treatment. mAb 1-13M1 pairs with mAb 9-13M1 to measure MUC5AC protein by ELISA. This mucin is present in primary ovarian mucinous cancer but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. Together with a panel of antibodies, Anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.

Application Notes

Optimal dilution of the MUC5AC antibody should be determined by the researcher.

Immunogen

An M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient was used as the immunogen for the MUC5AC antibody.

Storage

Store the MUC5AC antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).