

Product datasheet

anti-MUC5AC/M1 mouse monoclonal, 58M1, purified

Short overview

Cat. No.	691521
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	58M1
Immunogen	Mucin isolated from an ovarian cyst fluid (pure endocervical type according to the Fenoglio's classification) from an ALeb patient.
Formulation	PBS with 0.02% sodium azide
UniprotID	P98088 (Human), E9PWB6 (Mouse)
Synonym	Mucin-5AC, MUC-5AC, Gastric mucin, Major airway glycoprotein, Mucin-5 subtype AC, Tracheobronchial, Tracheobronchial mucin, TBM, MUC5AC, MUC5
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, IHC, WB
Reactivity	Cat, Human, Monkey, Mouse
No reactivity	Rat

Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

58M1 recognizes the peptide core of gastric mucin M1 (now: MUC5AC), and more specifically with the 'e' epitope amongst the a, b, c, d, e, f, g and h protein core epitopes defined by Bara for M1. MUC5AC is present in primary ovarian mucinous cancer and gastric cancer, but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. 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 pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.

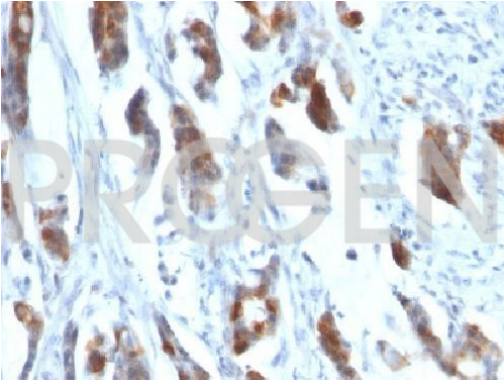
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Positive control: stomach, gastric cancer.

Product images



Gastric cancer