

## Product datasheet

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

#### Short overview

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

#### Product description

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

#### Applications

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

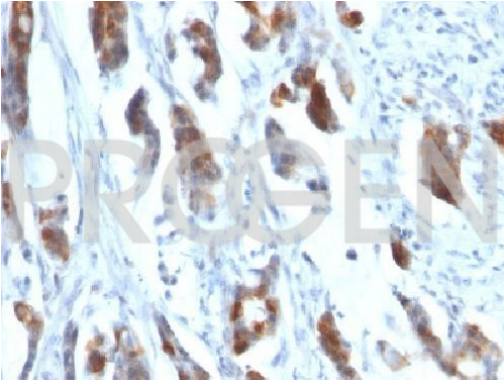
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Positive control: stomach, gastric cancer.

## Product images



Gastric cancer