# antibodies -online.com





# anti-MUC5AC antibody

1 Image

3

**Publications** 



Go to Product page

#### Overview

Quantity:	0.5 mL
Target:	MUC5AC
Reactivity:	Human, Mouse, Rat, Monkey, Rabbit, Chicken, Pig, Hedgehog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC5AC antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### **Product Details**

Immunogen:	Ovarian cyst mucin.
Clone:	B466(45M1)
Isotype:	lgG1
Specificity:	This antibody reacts with the peptide core of gastric mucin (MUC5AC).
Purification:	Concentrated.

### **Target Details**

Target:	MUC5AC
Alternative Name:	MUC5AC (MUC5AC Products)
Background:	Peptide core of gastric mucin M1, Epitope destroyed by beta-mercaptoethanol and proteases

### **Target Details**

	but not by periodate (3).
Molecular Weight:	>1000kDa
Gene ID:	4586

# **Application Details**

Application Notes:	Immunohistochemistry: 1:50-1:100
	ELISA 1:500-1:2000 (not purified can not be used to coat ELISA plates).
	Staining Procedure: This antibody can be used on frozen and formalin-fixed, paraffin-embedded
	tissue sections. For consistant and better results, use protease treatment with formalin fixed
	tissues. Prolonged-fixation in buffered formalin can destroy the epitope. The antibody may be
	used at a dilution of 1:50-1:100 in IHC. The optimal conditions should be determined by the
	individual laboratory.
Comment:	Cellular Localization: cytoplasmic and cell surface.
	Recommended Positive Control: Colon or Stomach Tissue

For Research Use only

## Handling

Restrictions:

Format:	Liquid
Concentration:	0.3 mg/mL
Buffer:	20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, pH 7.5
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4°C

#### **Publications**

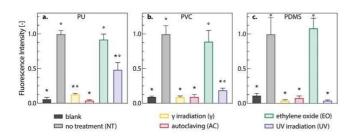
Product cited in:

Rickert, Piller, Henkel, Fromme, Lieleg: "Multifunctional glycoprotein coatings improve the surface properties of highly oxygen permeable contact lenses." in: **Biomaterials advances**, Vol. 145, pp. 213233, (2022) (PubMed).

Rickert, Lutz, Marczynski, Lieleg: "Several Sterilization Strategies Maintain the Functionality of Mucin Glycoproteins." in: **Macromolecular bioscience**, pp. e2000090, (2020) (PubMed).

Lutz, Marczynski, Grill, Wall, Lieleg: "Repulsive Backbone-Backbone Interactions Modulate Access to Specific and Unspecific Binding Sites on Surface-Bound Mucins." in: **Langmuir: the ACS journal of surfaces and colloids**, (2020) (PubMed).

Validation report #104174 for Cleavage Under Targets and Tagmentation (CUT&Tag)



#### **ELISA**

**Image 1.** Detection of surface-bound mucins MUC5AC via ELISA. The normalized fluorescence intensities obtained with an ELISA (a-c) are shown for different medical devices coated with mucins. The coated samples were either stored without any further treatment, or sterilized via γ-irradiation, autoclavation, ethylene oxide fumigation, or UV irradiation. Source: PMID10.1002/admi.202101716