

Datasheet for ABIN6940123

**anti-MUC3A antibody**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	MUC3A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	A synthetic peptide of 35 amino acids, SIB35 (C-HSTPSFTSSITTTETTTSHSTPSFTSSITTTETTS), which contains two of the MUC3 tandem repeats, coupled to KLH.
Clone:	MUC3-1154
Isotype:	IgG2a kappa
Specificity:	It recognizes a protein of HMW, identified as mucin 3 glycoprotein (MUC3). This MAbs shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC2. The Mucins are a family of highly glycosylated, secreted proteins with a basic structure consisting of a variable number of tandem repeats (VNTRs) encoded by 60 base pairs (Mucin 1), 69 base pairs (Mucin 2) and 51 base pairs (Mucin 3). The number of repeats is highly polymorphic and varies among different alleles. Mucin 1 proteins are expressed as type I membrane proteins in addition to secreted forms. Mucin 1 is aberrantly expressed in epithelial tumors including breast carcinomas. Mucin 2 coats the epithelia of the intestines and airways and is associated with colonic tumors. Mucin 3 is a major component of various mucus gels and is broadly expressed

## Product Details

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in normal and tumor cells.

No Cross-Reactivity: Rat (*Rattus*)

Purification: Purified by Protein A/G

## Target Details

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Target: MUC3A

Alternative Name: MUC3A ([MUC3A Products](#))

Molecular Weight: 1100kDa

Gene ID: 4584, 57876

UniProt: [Q02505](#), [Q9H195](#)

## Application Details

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Application Notes: Positive Control: LS174T cells. Human small intestine (IHC).  
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

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Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

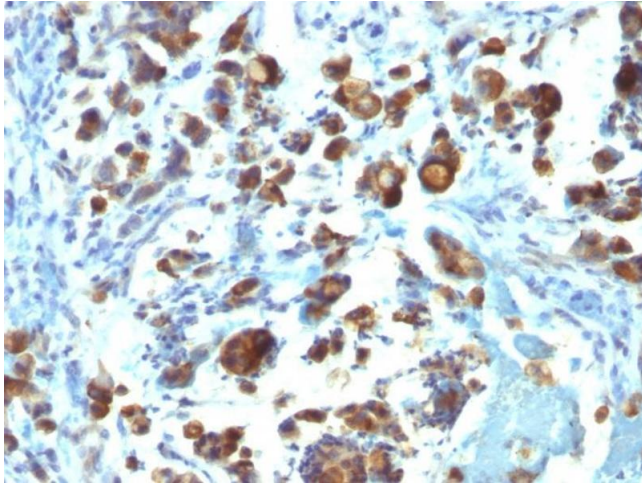
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

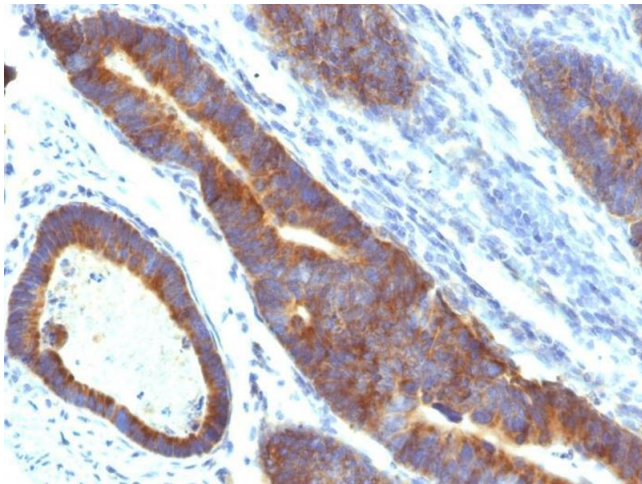
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



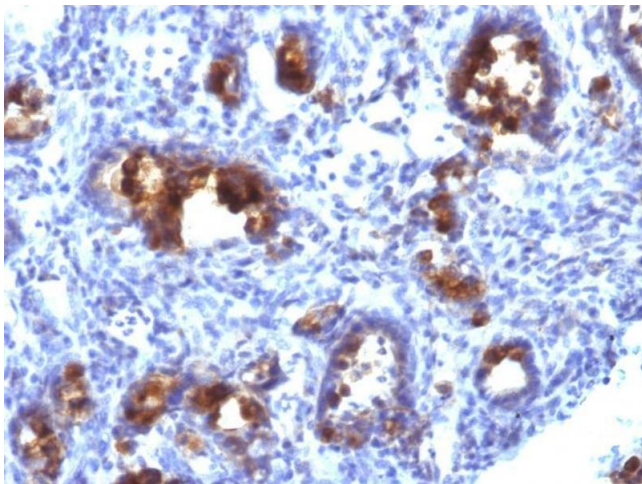
#### Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC3 Monoclonal Antibody (MUC3/1154).



#### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC3 Monoclonal Antibody (MUC3/1154).



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC3 Monoclonal Antibody (MUC3/1154).