

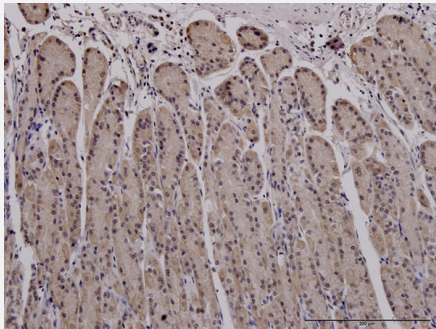
CX Grade

# MUC4 monoclonal antibody (M07J), clone 5B12

Catalog # H00004585-M07J

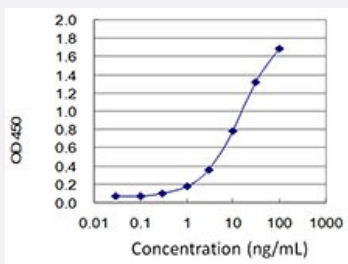
Size 100 ug

## Applications



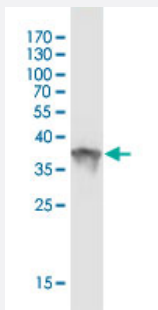
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MUC4 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MUC4 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant MUC4.  
This product is belong to Cell Culture Grade Antibody (CX Grade).

<b>Immunogen</b>	MUC4 (NP_004523, 79 a.a. ~ 188 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	GVSLFPYGADAGDLEFVRRTVDFTSPLFKPATGFPLGSSLRDSLYFTDNGQIIFPESDYQIFSYNP LPTGFTGRDPVALVAPFWDDADFSTGRGTTFYQEYETFYGEHS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Preparation Method</b>	Cell Culture Production
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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[Protocol Download](#)

- ELISA

## Gene Info — MUC4

Entrez GeneID

[4585](#)

GeneBank Accession#	<a href="#">NM_004532</a>
Protein Accession#	<a href="#">NP_004523</a>
Gene Name	MUC4
Gene Alias	HSA276359
Gene Description	mucin 4, cell surface associated
Omim ID	<a href="#">158372</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (&gt;100) of 48 nt tandem repeats. [provided by RefSeq]</p>
Other Designations	mucin 4 mucin 4, tracheobronchial

## Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Infertility](#)
- [Lung Diseases](#)
- [Respiratory Syncytial Virus Infections](#)