

MUC2 monoclonal antibody (M04), clone 3D10

Catalog # H00004583-M04

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MUC2.
Immunogen	MUC2 (NP_002448, 5081 a.a. ~ 5179 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TTEVSYAGCTKTVLMNHCSGSCGTFVMYSAKAQALDHSCSCCKEEKTSQREVVLSCPNGGSLT HTYTHIESCQCQDTCGLPTGTSRRARRSPRHLGSG*
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (69%)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — MUC2

Entrez GeneID	4583
GeneBank Accession#	NM_002457

Protein Accession#	NP_002448
Gene Name	MUC2
Gene Alias	MLP, SMUC
Gene Description	mucin 2, oligomeric mucus/gel-forming
Omim ID	158370
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the mucin protein family. Mucins are high molecular weight glyco proteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80% is composed of oligosaccharide side chains by weight. The protein features a central domain containing tandem repeats rich in threonine and proline that varies between 50 and 115 copies in different individuals. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq]
Other Designations	mucin 2 mucin 2, intestinal/tracheal mucin-like protein

Pathway

- [Vibrio cholerae infection](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Lung Diseases](#)
- [Otitis Media](#)
- [Otitis Media with Effusion](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)

- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)