MUC2 monoclonal antibody (M02), clone 1D10

Catalog # H00004583-M02 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	TTEVSYAGCTKTVLMNHCSGSCGTFVMYSAKAQALDHSCSCCKEEKTSQREVVLSCPNGGSLTHTYTHIESCQCQDTVCGLPTGTSRRARRSPRHLGSG*
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 f orms 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 c opies in different individuals. Alternatively spliced transcript variants of this gene have been descri bed, 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