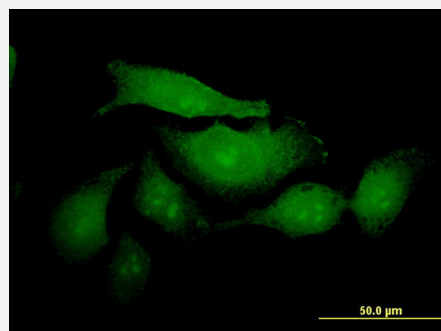


MUC2 monoclonal antibody (M15), clone 2A9

Catalog # H00004583-M15

Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to MUC2 on HeLa cell . [antibody concentration 20 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MUC2.
Immunogen	MUC2 (NP_002448, 4993 a.a. ~ 5078 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	THCIKRPDNQHVILKPGDFKSDPKNNCTFFSCVKIHNQLISSVSNITCPNFDASICIPGSITFMPNGC CKTCTPRNETRVPCSTV
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
- Immunofluorescence

Immunofluorescence of monoclonal antibody to MUC2 on HeLa cell . [antibody concentration 20 ug/ml]

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](#)