

## Datasheet

### MUC2 monoclonal antibody (M05), clone 3D6

**Catalog Number:** H00004583-M05

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant MUC2.

**Clone Name:** 3D6

**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:**

TTEVSYAGCTKTVLMNHCSGSCGTFVMYSAKAQALD  
HSCSCCKEEKTSQREVLSCPNGGSLTHTYTHIESCQ  
CQDTVCGGLPTGTSRRARRSPRHLGSG\*

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4583

**Gene Symbol:** MUC2

**Gene Alias:** MLP, SMUC

**Gene Summary:** This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins 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]