

MUC2 Monoclonal Antibody

Description

| | |
|--------------------------------|---|
| Product type | Antibody |
| Code | BT-MCA2039 |
| Host | Mouse |
| Isotype | Mouse IgG1 |
| Size | 100µL, 50µL |
| Immunogen | Purified recombinant fragment of human MUC2 (AA: 4373-4557) expressed in E. Coli. |
| Mol wt | 540kDa |
| Species reactivity | Others |
| Clonality | Monoclonal |
| Recommended application | IHC;FCM |
| Concentration | N/A |
| Full name | N/A |
| Synonyms | MLP;SMUC;MUC-2 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. Downregulation of this gene has been observed in patients with Crohn disease and ulcerative colitis.

Recommended Dilution

WB: 1:500 - 1:2000

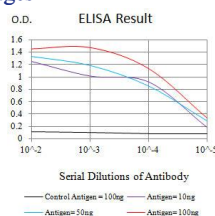
IHC-p: 1:200-1:1000

FCM: 1:200-1:400

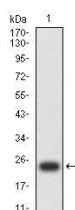
ELISA: 1:10000

Not yet tested in other applications.

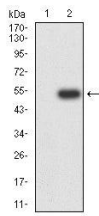
Images



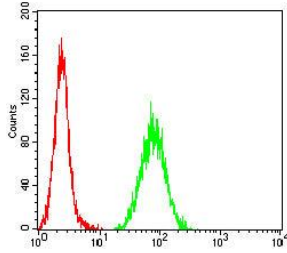
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



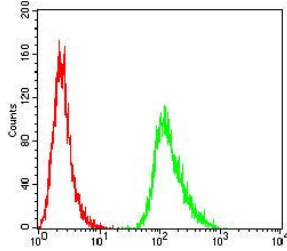
Western blot analysis using MUC2 mAb against human MUC2 (AA: 4373-4557) recombinant protein. (Expected MW is 23.8 kDa)



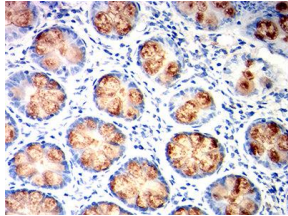
Western blot analysis using MUC2 mAb against HEK293-6e (1) and MUC2 (AA: 4373-4557)-hlgGfC transfected HEK293-6e (2) cell lysate.



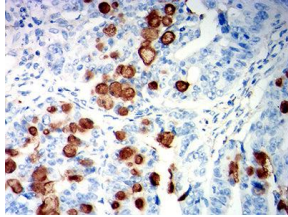
Flow cytometric analysis of HeLa cells using MUC2 mouse mAb (green) and negative control (red).



Flow cytometric analysis of HepG2 cells using MUC2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded colon tissues using MUC2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using MUC2 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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