

Product datasheet

anti-MUC2 mouse monoclonal, EBS-T-233, purified

Short overview

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| Cat. No. | 691679 |
| Quantity | 1 ml (100 µg/ml) |
| Concentration | 100 µg/ml |

Product description

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| Host | Mouse |
| Antibody Type | Monoclonal |
| Isotype | IgG1 kappa |
| Clone | EBS-T-233 |
| Immunogen | Synthetic human MUC2 peptide (VNTR region) |
| Formulation | PBS with 0.02% sodium azide |
| UniprotID | Q02817 (Human) |
| Synonym | Mucin-2, MUC-2, Intestinal mucin-2, MUC2, SMUC |
| Conjugate | Unconjugated |
| Purification | Affinity chromatography |
| Storage | 2-8°C |
| Intended use | Research use only |
| Application | FACS, ICC/IF, IHC, WB |
| Reactivity | Human |

Applications

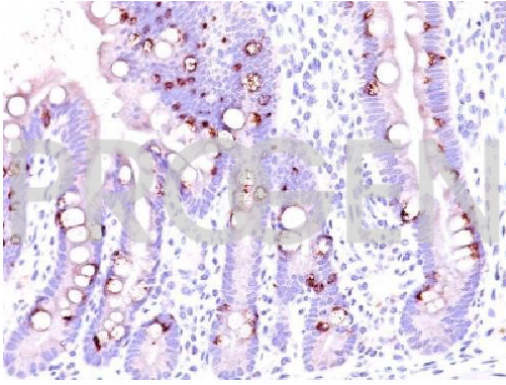
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| Flow Cytometry (FACS) | 0.5-1.0 µg/million cells in 0.1 ml |
| Immunocytochemistry (ICC) | 1:50-1:100 (1-2 µg/ml) |
| Immunohistochemistry (IHC) - frozen | 1:50-1:100 (1-2 µg/ml) |
| Immunohistochemistry (IHC) - paraffin | 1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM Tris with 1 mM EDTA, pH 9.0, recommended) |
| Western Blot (WB) | 1:50-1:100 (1-2 µg/ml) |

Background

EBS-T-233 reacts with GTQTP in the VNTR domain of human MUC2 (520 kDa). MUC2 is specifically expressed in goblet cells of the small intestine and colon and about 65% of colonic carcinomas and about 40% of gastric carcinomas are positive. MUC2 is rarely expressed outside of the GI tract with the exceptions of mucinous carcinoma of breast and clear cell-type carcinomas of the ovary.

Positive control: LS174T cells (flow cytometry, Western blot), small intestine.

Product images



Human intestine