

Recombinant Human MUC1 protein ,N- His Tag

CatalogNo: YD2288

Key Features

Reactivity

Human

Recommended Dilution Ratios

Reconstitute in sterile water for a stock solution

Storage

Storage* Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C

for one week . Store at -20 to -80 °C for twelve months from the date of receipt.

Formulation Supplied as solution form in PBS pH 7.5 ./ Lyophilized from PBS pH 7.5 .

Basic Information

Source E.coli

Purification E.coli

Purity >90% as determined by SDS-PAGE

Immunogen Information

Squence A DNA sequence encoding the Human MUC1 (Ser24-Pro146) was fused with the N-

terminal His Tag

| Target Information

Protein Name

Mucin-1 (MUC-1) (Breast carcinoma-associated antigen DF3) (Carcinoma-associated mucin) (Episialin) (H23AG) (Krebs von den Lungen-6) (KL-6) (PEMT) (Peanut-reactive urinary mucin) (PUM) (Polymorphic epithelial mucin) (PEM) (Tumor-associated epithelial membrane antigen) (EMA) (Tumor-associated mucin) (CD antigen CD227) [Cleaved into: Mucin-1 subunit alpha (MUC1-NT) (MUC1-alpha); Mucin-1 subunit beta (MUC1-beta) (MUC1-CT)], CA 15-3, CA15 3, CA 15.3, CA15-3, CA15.3

Organism	Gene ID	UniProt ID
Human	<u>4582</u> ;	<u>P15941;</u>

Cellular Localization

Apical cell membrane; Single-pass type I membrane protein. Exclusively located in the apical domain of the plasma membrane of highly polarized epithelial cells. After endocytosis, internalized and recycled to the cell membrane. Located to microvilli and to the tips of long filopodial protusions.; [Isoform 5]: Secreted.; [Isoform Y]: Secreted.; 9]: Secreted.; [Mucin-1 subunit beta]: Cell membrane. Cytoplasm. Nucleus. On EGF and PDGFRB stimulation, transported to the nucleus through interaction with CTNNB1, a process which is stimulated by phosphorylation. On HRG stimulation, colocalizes with JUP/gammacatenin at the nucleus.

Tissue specificity Expressed on the apical surface of epithelial cells, especially of airway passages, breast and uterus. Also expressed in activated and unactivated T-cells. Overexpressed in epithelial tumors, such as breast or ovarian cancer and also in non-epithelial tumor cells. Isoform Y is expressed in tumor cells only.

I Validation Data

Contact information

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Please scan the QR code to access additional product information: Recombinant **Human MUC1** protein ,N- His Tag

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