MUC1 Antibody FITC Conjugated

Catalog No: #C05384F

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Description

Product Name	MUC1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt
Species Reactivity	Hu
Immunogen Description	KLH conjugated synthetic peptide derived from human MUC1
Conjugates	FITC
Target Name	MUC1
Other Names	Breast carcinoma associated antigen DF3; Breast carcinoma associated antigen DF3; Breast carcinoma-associated antigen DF3; CA 15 3; CA 15-3; CA15 3; CA15 3 antigen; CA15.3; Cancer antigen 15-3; Carcinoma associated mucin; Carcinoma associated mucin; Carcinoma-associated mucin; CD 227; CD227; CD227;
Accession No.	NCBI Gene ID4582
Uniprot	P15941
GeneID	4582;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200

Background

MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and overexpressed abundantly in >90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four cebB receptors and localize with erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells.

Note: This product is for in vitro research use only