Datasheet for ABIN1430869

anti-MUC1 antibody (PE-Cy5.5)

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Overview

Quantity:	100 µL
Target:	MUC1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is conjugated to PE-Cy5.5
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MUC1
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	Synonyms: 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, CD227 antigen, DF3 antigen, DF3

Target Details

	antigen, EMA, EMA, Episialin, Episialin, Epithelial membrane antigen, Epithelial membrane antigen, Epithelial mucin tandem repeat sequence, H23 antigen, H23 antigen, H23AG, H23AG, HGNC:7508, KL 6, KL-6, KL6, Krebs von den Lungen-6, MAM 6, MAM6, MUC 1, MUC 1, MUC-1, MUC-1/SEC, MUC-1/X, MUC1, MUC1-alpha, MUC1-beta, MUC1-CT, MUC1-NT, MUC1/ZD, MUC1_HUMAN, Mucin 1, Mucin 1 precursor, Mucin 1 transmembrane, Mucin-1 subunit beta, Mucin1, Mucin1, Peanut reactive urinary mucin, Peanut reactive urinary mucin, Peanut-reactive urinary mucin, PEM, PEMT, PEMT, Polymorphic epithelial mucin, Polymorphic epithelial mucin, PUM, PUM, Tumor associated epithelial membrane antigen, Tumor associated epithelial membrane antigen, Tumor associated epithelial mucin, Tumor associated mucin, Tumor associated mucin, Tumor-associated epithelial membrane antigen, Tumor-associated mucin. 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.
Molecular Weight:	138kDa
Gene ID:	4582
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	FCM(1:100-500) Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and

Handling

	50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months