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anti-MUC1 antibody (AA 66-175)





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Quantity:	0.1 mg
Target:	MUC1
Binding Specificity:	AA 66-175
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Western Blotting (WB), Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD227 (AA: extra 66-175) expressed in E. coli.
Clone:	3B10B4
Isotype:	lgG1
Purification:	purified

Target Details

Target:	MUC1
Alternative Name:	CD227 (MUC1 Products)
Background:	Description: This gene encodes a membrane-bound protein that is a member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective
	mucous barriers on epithelial surfaces. These proteins also play a role in intracellular signaling.

This protein is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. This gene is known to contain a highly polymorphic variable number tandem repeats (VNTR) domain. Alternate splicing results in multiple transcript variants.

Aliases: MUC1, EMA, MCD, PEM, PUM, KL-6, MAM6, MCKD, PEMT, H23AG, MCKD1, MUC-1, ADMCKD, ADMCKD1, CA 15-3, MUC-1/X, MUC1/ZD, MUC-1/SEC

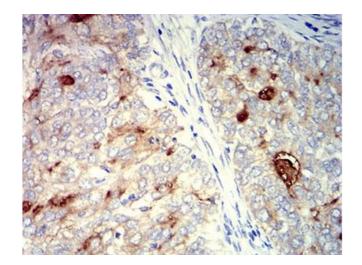
Molecular Weight:	122.1 kDa
Gene ID:	4582
HGNC:	4582
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

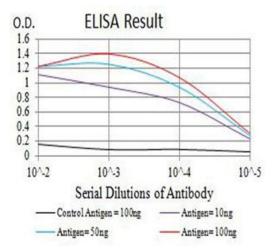
Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



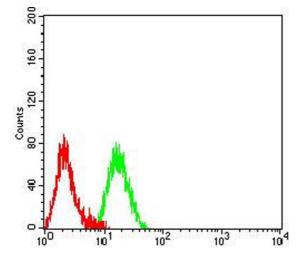
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffinembedded cervical cancer tissues using CD227 mouse mAb with DAB staining.



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



Flow Cytometry

Image 3. Flow cytometric analysis of Raji cells using CD227 mouse mAb (green) and negative control (red).

Please check the product details page for more images. Overall 6 images are available for ABIN5611324.