Datasheet for ABIN2658128

anti-MUC1 antibody (APC)

2 Images

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Overview

Quantity:	100 tests
Target:	MUC1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC1 antibody is conjugated to APC
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Clone:	16A
Isotype:	IgG1 lambda
Purification:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Target Details

Target:	MUC1
Alternative Name:	CD227 (MUC1 Products)
Background:	Mucin-1 (MUC-1), cell surface associated or polymorphic epithelia mucin, is a 500-1000 kD proteoglycan expressed by activated T cells, mucosal epithelial cells, and aberrantly expressed on most breast cancers. In normal cells, CD227 is heavily glycosylated, whereas in cancerous cells, the glycosylation is incomplete and premature sialation is also observed. The protein is

Target Details

	anchored to the apical surface of the epithelial cell and functions as a lubricant to keep the cell hydrated and to protect against pathogens. It can also function as a signaling molecule by forming a MUC-1/SOS1/GrB2 complex. MUC-1 can interact with cancer antigens such as Her2/neu.
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

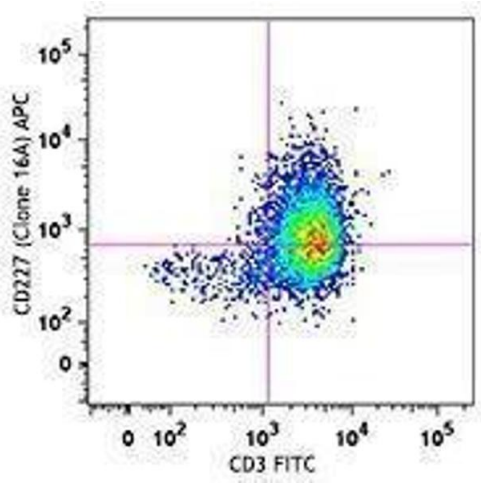
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

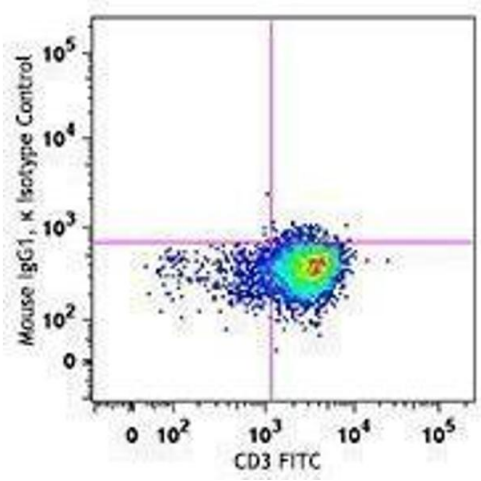
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and 0.2 % (w/v) BSA .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from prolonged exposure to light. Do not freeze.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.