Datasheet for ABIN7505974

anti-DLL4 antibody (APC)

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Overview

Quantity:	100 µg
Target:	DLL4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DLL4 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-DLL4 APC
Immunogen:	recombinant soluble human DLL4
Clone:	MHD4-46
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody MHD4-46 recognizes the extracellular domain of DLL4 (Delta-like ligand 4), a type I transmembrane protein which plays an important role in vascular development.
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

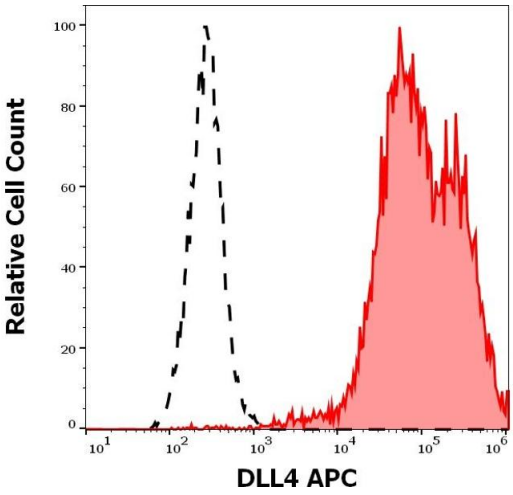
Target:	DLL4
Alternative Name:	DLL4 (DLL4 Products)
Background:	Delta like canonical Notch ligand 4,DLL4 (Delta-like 4) is one of five ligands of Notch receptors. It interacts with Notch1 and Notch4. DLL4 is up-regulated at sites of physiologic and pathologic angiogenesis, whereas its expression is low in most adult normal tissues. It is also highly expressed in human clear-cell renal carcinomas, bladder cancers, and breast cancers. Blocking the DLL4-Notch interaction seems to be a promissing therapeutic approach.,Delta like ligand 4, AOS6, canonical Notch ligand 4
Gene ID:	54567
UniProt:	Q9NR61
Pathways:	Notch Signaling

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM 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
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Separation of DLL4 transfected CHO cells stained using anti-DLL4 (MHD4-46) APC antibody (concentration in sample 5 µg/mL, red-filled) from DLL4 transfected CHO cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 5 µg/mL, same as DLL4 APC antibody concentration, black-dashed) in flow cytometry analysis (surface staining).