

Datasheet for ABIN2749212

anti-DLL4 antibody**1** Image**3** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	DLL4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DLL4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Functional Studies (Func)

Product Details

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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)
Endotoxin Level:	Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

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 promising therapeutic approach.,Delta like ligand 4, AOS6, canonical Notch ligand 4
Gene ID:	54567
UniProt:	Q9NR61
Pathways:	Notch Signaling

Application Details

Application Notes:	Functional application: Blocking. Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

Handling

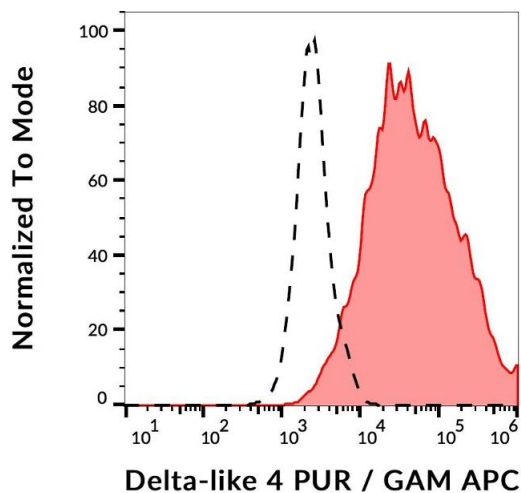
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Sekine, Koyanagi, Koyama, Hozumi, Chiba, Yagita: "Differential regulation of osteoclastogenesis by Notch2/Delta-like 1 and Notch1/Jagged1 axes." in: Arthritis research & therapy , Vol. 14, Issue 2, pp. R45, (2012) (PubMed).
	Oishi, Sunamura, Egawa, Motoi, Unno, Furukawa, Habib, Yagita: "Blockade of delta-like ligand 4 signaling inhibits both growth and angiogenesis of pancreatic cancer." in: Pancreas , Vol. 39,

Issue 6, pp. 897-903, (2010) ([PubMed](#)).

Yamanda, Ebihara, Asada, Okazaki, Niu, Ebihara, Koyanagi, Yamaguchi, Yagita, Arai: "Role of ephrinB2 in nonproductive angiogenesis induced by Delta-like 4 blockade." in: **Blood**, Vol. 113, Issue 15, pp. 3631-9, (2009) ([PubMed](#)).



Flow Cytometry

Image 1. Separation of DLL4 transfected HD4 cells stained using anti-DLL4 (MHD4-46) purified antibody (low endotoxin, concentration in sample 3 µg/mL, GAM APC, red-filled) from DLL4 transfected HD4 cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).