ARG42388
anti-DLL4 antibody [MHD4-46]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [MHD4-46] recognizes DLL4
Tested Reactivity	Hu
Tested Application	FACS
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.
Host	Mouse
Clonality	Monoclonal
Clone	MHD4-46
Isotype	IgG1, kappa
Target Name	DLL4
Species	Human
Immunogen	Recombinant soluble Human DLL4.
Conjugation	Un-conjugated
Alternate Names	Drosophila Delta homolog 4; hdelta2; Delta4; Delta-like protein 4

Application Instructions

Application table

Application	Dilution
FACS	1 - 4 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

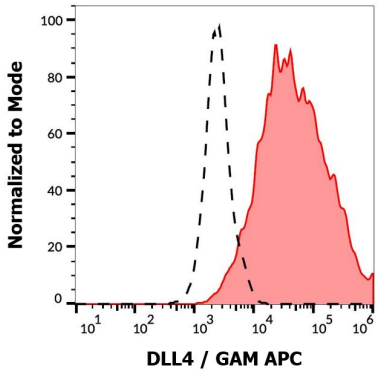
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DLL4
Gene Full Name	delta-like 4 (Drosophila)
Background	This gene is a homolog of the Drosophila delta gene. The delta gene family encodes Notch ligands that are characterized by a DSL domain, EGF repeats, and a transmembrane domain. [provided by RefSeq, Jul 2008]
Function	Involved in the Notch signaling pathway as Notch ligand (PubMed:11134954). Activates NOTCH1 and NOTCH4. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting (PubMed:20616313). Essential for retinal progenitor proliferation. Required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types (By similarity). During spinal cord neurogenesis, inhibits V2a interneuron fate (PubMed:17728344). [UniProt]
Calculated Mw	75 kDa
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG42388 anti-DLL4 antibody [MHD4-46] FACS image

Flow Cytometry: DLL4-transfected HD4 cells stained with ARG42388 anti-DLL4 antibody [MHD4-46], followed by APC-conjugated Goat anti-Mouse antibody.