abcam

ab328539

PE Anti-DLL4 antibody [MHD4-46]

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	PE
Excitation/Emission	Ex: 480;565nm, Em: 578nm
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituents: PBS, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human DLL4. Database link Q9NR61
Clone number	MHD4-46
Purification technique	Size-exclusion chromatography
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.
Light chain type	kappa

Reactivity data

Flow Cyt

Tested

Species	Human

Dilution info	1-5 µg/mL
Notes	-

Target data

See full target information DLL4

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).

Storage

Shipped at conditions	Ambient - Can Ship with Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

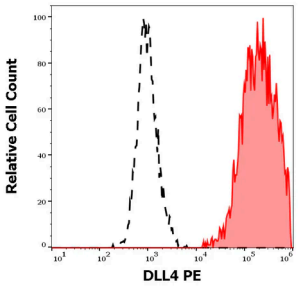
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

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1 product image



Flow Cytometry - PE Anti-DLL4 antibody [MHD4-46] (ab328539)

DLL4 Flow Cytometry staining of CHO/DLL4 cells using mouse Anti-DLL4 antibody

Separation of CHO/DLL4 cells stained using anti-human DLL4 (MHD4-46) PE antibody (10 µl reagent per million cells in 100 µl of cell suspension, red-filled) from CHO/DLL4 cells stained using mouse IgG1 isotype control (MOPC-21) PE antibody (concentration in sample 1 µg/ml, same as DLL4 PE concentration, black-dashed) in flow cytometry analysis (surface staining) of CHO/DLL4 cell suspension.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.