BioLegend
The path to legendary discovery™

Product Data Sheet

PE anti-mouse DLL4

Catalog # / Size: 130807 / 50 µg
130808 / 200 µg

Clone: HMD4-1

Isotype: Armenian Hamster IgG

Immunogen: CHO cells expressing murine DLL4.

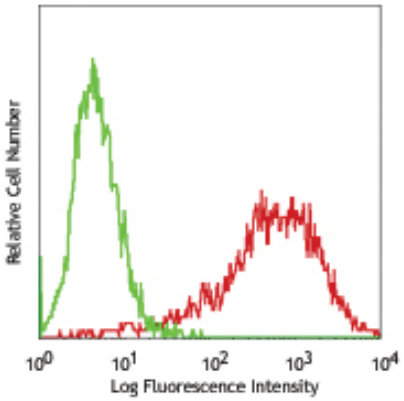
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.



FD4/CHO cells stained with HMD4-1 PE

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:
1. Moriyama Y, *et al.* 2008. *Int. Immunol.* 20:763.

Description: The Notch receptors and their ligands are highly conserved from invertebrates to mammals. Delta-like 4 (DLL4) is one of four or five Notch ligands identified. The binding to Notch receptor results in the proteolysis of Notch and movement of intracellular portions of Notch into the nucleus. This translocation triggers a series of signaling processes. DLL4 is reported to be essential for the regulation of angiogenesis. In thymus, DLL4 is an essential Notch1 ligand responsible for T cell lineage commitment.

Antigen References:
1. Ehebauer MT, *et al.* 2006. *Biochem J.* 392:13.
2. Shimizu K, *et al.* 2000. *Mol Cell Biol.* 20:6913.
3. Hellstrom M, *et al.* 2007. *Nature* 445:776.
4. Suchting S, *et al.* 2007. *P. Natl. Acad. Sci. USA* 104:3225.

Related Products:

Product	Clone	Application
PE Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 455-9588 Fax: (858) 455-9587