BioLegend
The path to legendary discovery™

Product Data Sheet

LEAF™ Purified anti-mouse DLL4

Catalog # / Size: 130803 / 50 µg
130804 / 500 µg

Clone: HMD4-1

Isotype: Armenian Hamster IgG

Immunogen: CHO cells expressing murine DLL4.

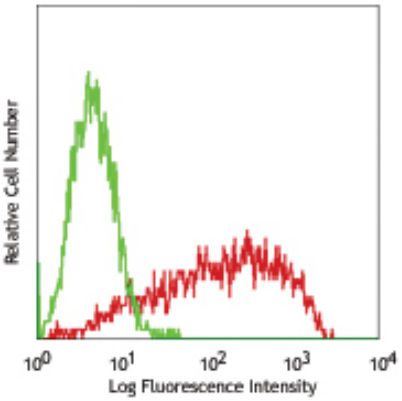
Reactivity: Mouse

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



FD4/CHO (mouse DLL4 transfectant) cell line stained with LEAF™ purified HMD4-1, followed by anti-Armenian hamster IgG PE

Applications:

Applications: FC - *Quality tested*
IHC, FA - *Reported in the literature*

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
LEAF™ Purified Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC, WB, IP, ICC, IF, FA

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