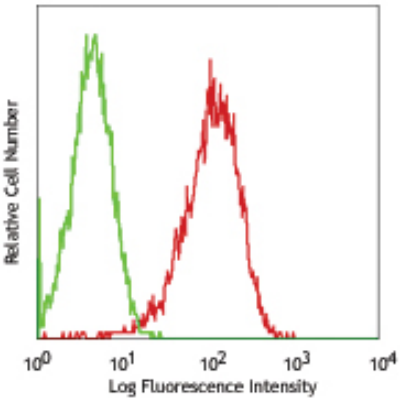
BioLegend
The path to legendary discovery™

Product Data Sheet

LEAF™ Purified anti-mouse Notch 2

Catalog # / Size: 130704 / 500 µg
Clone: HMN2-35
Isotype: Armenian Hamster IgG
Immunogen: Notch 2-Fc fusion protein
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.



Mouse NOTCH-2 transfected cells stained with LEAF™ purified HMN2-35, 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 or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: Moriyama Y, *et al.* 2008. *Int J Immunology* 20:763

Description: The Notch receptors are highly conserved from invertebrates to mammals.While Notch1 and Notch 2 exhibit the highest structural similarity among the four mammalian Notch receptors. Notch 3 has a number of structural and functional differences.The binding of Notch 3 to its ligands results in the proteolysis of Notch and movement of intracellular portions of Notch into the nucleus.This translocation triggers a series of signaling process.Notch 3 is primarily expressed in adult arterial smooth muscle cells.Notch 3 gene mutation can cause CADASIL, an inherited early stroke syndrome.

Antigen References:
1. Ehebauer ME, *et al.* 2006. *Biochem J* 392:13
2. Shimizu K, *et al.* 2000. *Mol Cell Biology* 20:18
3. Tanigaki K, *et al.* 2007. *Nature Immunol* 8:451
4. Kraman M, *et al.* 2005. *FASEB J.* 19:1311

Related Products:

Product	Clone	Application
LEAF™ Purified Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC, WB, IP, ICC, IF, FA
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC

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