

Product Data Sheet

LEAF™ Purified anti-mouse Notch 1

Catalog # / Size: 130604 / 500 µg

Clone: HMN1-12

Isotype: Armenian Hamster IgG

Immunogen: Notch1-Fc fusion protein

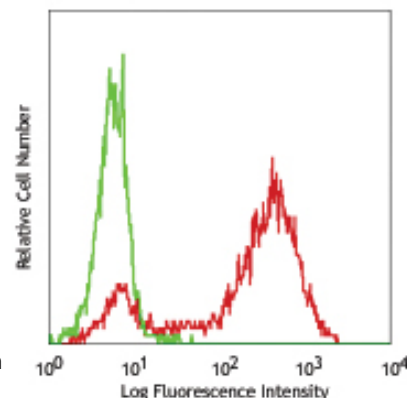
Reactivity: Mouse

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-1 transfected cells stained with LEAF™ purified HMN1-12, 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 ≤ 1.0 µg per 10⁶ 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 are highly conserved from invertebrates to mammals. Notch 1 and Notch 2 exhibit the greatest 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 processes. 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. Biol.* 20:18.
3. Tanigaki K, *et al.* 2007. *Nature Immunol.* 8:4514.
4. Kraman M, *et al.* 2005. *FASEB J.* 19:1311.

Related Products:

Product
LEAF™ Purified Armenian Hamster IgG Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone
HTK888

Application

FC, ICFC, WB, IP, ICC, IF, FA
FC, ICC, ICFC
FC, ICFC



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