

# 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

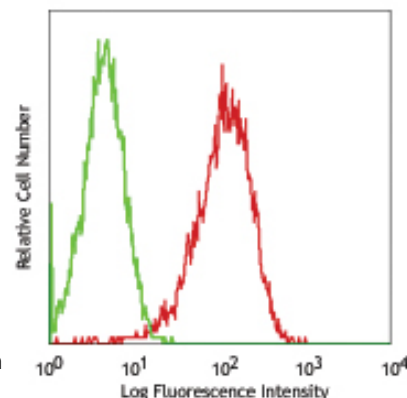
**Reactivity:** Mouse

**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**  
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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