

Product Data Sheet

PE anti-mouse Notch 2

Catalog # / Size: 130707 / 50 µg
130708 / 200 µg

Clone: HMN2-35

Isotype: Armenian Hamster IgG

Immunogen: Notch 2-Fc fusion protein

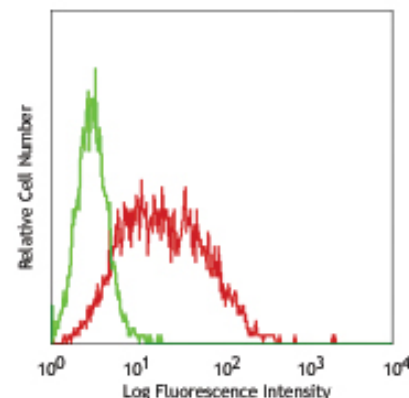
Reactivity: Mouse

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.**



Mouse Notch-2 transfected cells stained with HMN2-35 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 ≤ 1.0 µg per 10^6 cells in 100 µl volume. 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
PE Armenian Hamster IgG Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)
TruStain fcX™ (anti-mouse CD16/32)

Clone
HTK888

93

Application
FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC



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