

PE anti-mouse Notch 3

Catalog # / Size: 130507 / 50 µg
130508 / 200 µg

Clone: HMN3-133

Isotype: Armenian Hamster IgG

Immunogen: Notch 3-Fc fusion protein

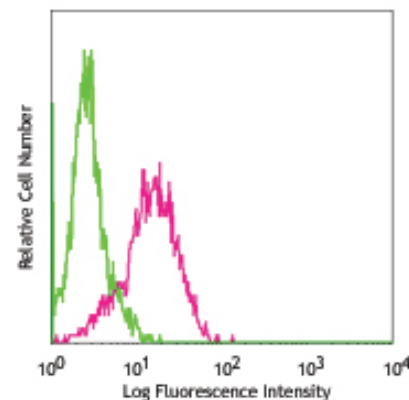
Reactivity: Mouse

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.**



FN3/CHO (Notch-3 transfected) cells stained with HMN3-133 PE

Applications:

Applications: FC - Quality tested

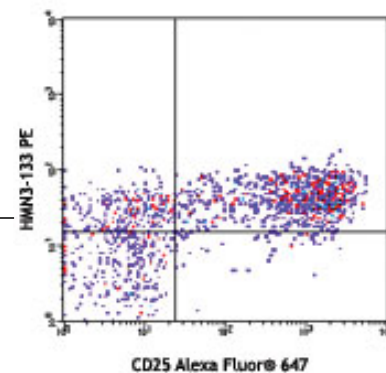
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 µg per 10^6 cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Moriyama Y, *et al.* 2008. *Int J Immunology* 20:763
2. Shi, J., *et al.* 2011. *Blood*. 8:2511. PubMed.

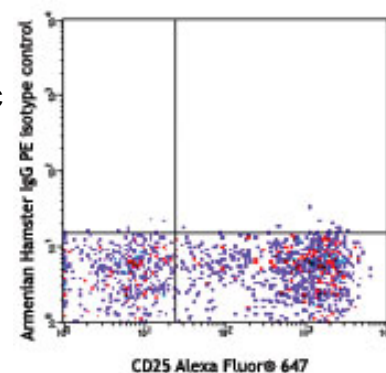
Description: The Notch receptors are highly conserved from invertebrates to mammals. While Notch1 and Notch 2 exhibit the highest structural similarity among the four mammalian Notch receptors. Notch 3 has a number of structural and functional differences. The binding of Notch 3 to its ligands results 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. Bellavia D *et al.* 2008. *27*:5092
5. Louvi A *et al.* *Dev Neurosci.* 2006. 28:5

| Related Products: | Product | Clone | Application |
|-------------------|--------------------------------------|--------|---------------|
| | PE Armenian Hamster IgG Isotype Ctrl | HTK888 | FC, ICFC |
| | Cell Staining Buffer | | FC, ICC, ICFC |
| | RBC Lysis Buffer (10X) | | FC, ICFC |
| | TruStain fcX™ (anti-mouse CD16/32) | 93 | FC |



CD4⁺CD8⁺CD44⁺ C57BL/6 thymocytes were stained with CD25 Alexa Fluor® 647 and Notch-3 (HMN3-133) PE (top) or Armenian Hamster IgG PE isotype control (bottom).



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