

## PE anti-mouse Notch 1

**Catalog # / Size:** 130607 / 50 µg  
130608 / 200 µg

**Clone:** HMN1-12

**Isotype:** Armenian Hamster IgG

**Immunogen:** Notch1-Fc fusion protein

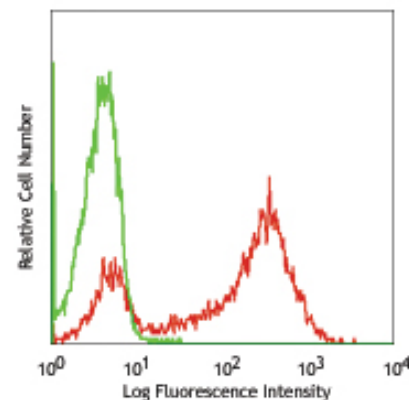
**Reactivity:** Mouse

**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-1 transfected cells stained with HMN1-12 PE

## Applications:

**Applications:** FC - Quality tested

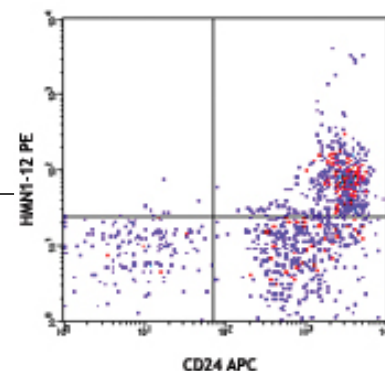
**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100 µl volume. It is recommended that the reagent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

**Application References:** 1. Moriyama Y, *et al.* 2008. *Int. Immunol.* 20:763.

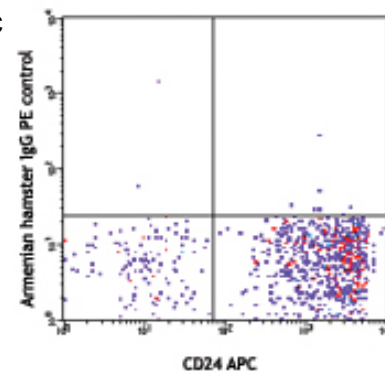
**Description:** The Notch receptors are highly conserved from invertebrates to mammals. Notch 1 and Notch 2 exhibit the greatest structural similarity among the four mammalian Notch receptors. Notch 3 has a number of structural and functional differences. The binding of Notch 3 to its ligands results 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	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



C57BL/6 mouse CD4 and CD8 double-negative thymocytes were stained with CD24 APC and Notch1 (clone HMN1-12) PE (top) or Armenian hamster IgG PE isotype control (bottom).



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