

Hamster Notch 4 Monoclonal Antibody

Notch 4 antibody (PE)

CATALOG # AAA106811	HOST Hamster	APPLICATIONS Flow Cytometry, Functional Assay
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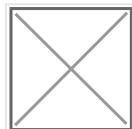
PRODUCT SYNONYMS

Notch 4; Monoclonal Antibody; Notch 4 antibody (PE); Monoclonal Notch 4; Anti-Notch 4; Notch-4; Neurogenic locus notch homolog protein 4; oncogene INT3; anti-Notch 4 antibody

PRODUCT SPECIFICATIONS

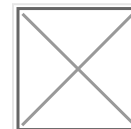
Host	Hamster
Clonality	Monoclonal
Isotype	IgG
Clone Number	HMN4-14
Form/Format	Supplied in aqueous buffer with 0.09% sodium azide, may contain carrier protein/stabilizer.
Concentration	200 ug/ml (varies by lot)
Applicable Applications for anti-Notch 4 antibody	FCM/FACS (Flow Cytometry)
Biological Significance	This HMN4-14 monoclonal antibody reacts with mouse Notch 4, one of four members of the Notch family of receptors. Notch receptors are 300-kDa single-pass transmembrane proteins. While the extracellular domain contains numerous epidermal growth factor-like repeats for ligand binding, the intracellular domain is involved in cell signaling. Upon binding its membrane-bound ligand, the Notch receptor undergoes proteolytic cleavage, first by ADAM-family metalloproteases and then by gamma-secretase. The second cleavage event releases the Notch intracellular domain, which subsequently translocates into the nucleus, forms a ternary complex with the DNA-binding transcription factor CSL and the coactivator Mastermind, and ultimately activates transcription. Notch 4 has been shown to be expressed in CD8+ splenic dendritic cells, endothelial cells, and macrophages. A truncated, constitutively active form of Notch 4 designated Int3 also exists in mice as a result of the mouse mammary tumor virus insertion into the Notch 4 gene. Composed of the transmembrane and intracellular domains of Notch 4, Int3 has been reported to be involved in mammary gland development and tumorigenesis in the mouse. Finally, studies have shown Notch 4 involvement in myeloid proliferation, hematopoiesis, and embryonic endothelial development.
Tag/Conjugate	PE
Preparation and Storage	Store at 2-8 degree C. Do not freeze. Protect from light.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis using Notch 4 antibody staining of CD8+CD11c+ C57BL/6 splenocytes with 0.25 ug of Armenian Hamster IgG Isotype Control (PE) (blue histogram) or 0.5 ug of Notch 4 antibody (PE) (purple histogram). Total viable cells were used for analysis.



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis using Notch 4 antibody staining of CD8+CD11c+ C57BL/6 splenocytes with 0.25 ug of Armenian Hamster IgG Isotype Control (PE) (blue histogram) or 0.5 ug of Notch 4 antibody (PE) (purple histogram). Total viable cells were used for analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-Notch 4 antibody	Armenian Hamster monoclonal Notch4 antibody (PE)
Product Categories/Family for anti-Notch 4 antibody	Signal Transduction; Conjugated Monoclonal Antibodies

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/notch-4-antibody-clone-hmn4-14-flow-cytometry-elisa/106811>