

Mouse NOTCH 1 Monoclonal Antibody | anti-NOTCH 1 antibody

MOUSE ANTI MOUSE NOTCH 1:FITC

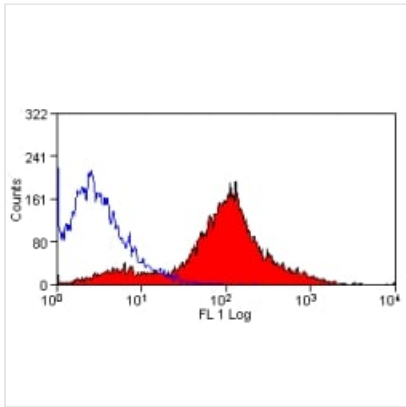
CATALOG # AAA49759	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

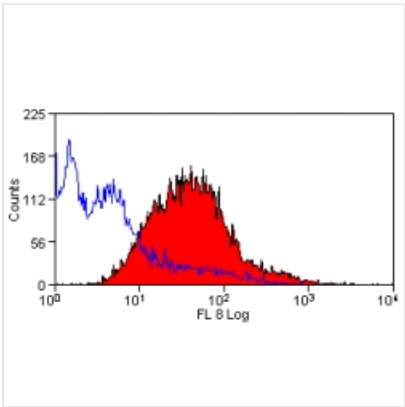
NOTCH 1; Monoclonal Antibody; MOUSE ANTI MOUSE NOTCH 1:FITC; anti-NOTCH 1 antibody

PRODUCT SPECIFICATIONS

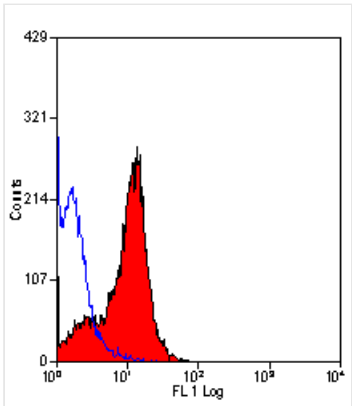
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	mN1A
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1mg/ml (varies by lot)
Sequence Length	2531
Applicable Applications for anti-NOTCH 1 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



Application Data
Staining of mouse thymocytes with Mouse anti Mouse NOTCH-1:FITC



Application Data
Staining of mouse thymocytes with Mouse anti Mouse NOTCH-1:Alexa Fluor 647



Application Data
Staining of mouse thymocytes with Mouse anti Mouse NOTCH 1:Alexa Fluor 488

ADDITIONAL INFORMATION

Related Product Information for anti-NOTCH 1 antibody

Mouse anti Mouse Notch 1 antibody, clone mN1A specifically recognizes Notch 1, one of the four major transmembrane receptors (Notch 1-4) of the Notch signalling pathway, which is activated through binding to DSL domain-containing membrane-bound specific ligands. The Notch signalling pathway is an evolutionarily conserved pathway in multi-cellular organisms, which is vital for cell-cell communication, important during fundamental developmental and physiological processes, including regulation of cell fate decisions during neuronal, cardiac and endocrine development, stem cell haematopoiesis, thymic T-cell development, and both tumour progression and suppression. Ligation of Notch receptors by their specific ligands, Jagged1 (CD339), Jagged2, Delta like-1 (DLL1), DLL3 and DLL4, on physically adjacent signal receiving cells, induces proteolysis of the receptors by ADAM-family metalloproteases and gamma-secretase complex, within the transmembrane domain, releasing the Notch intracellular domain (NICD) to translocate to the nucleus. Subsequent signal transduction then occurs through either the CSL-NICD-Mastermind complex cascade (canonical pathway), or NF-kappaB-NICD and CSL-NICD-Deltex complex signalling cascades (non-canonical pathway). The canonical pathway inhibits the differentiation of stem cells or progenitor cells, whilst the non-canonical pathway promotes differentiation. Notch 1 is expressed in a range of cells including haematopoietic cells in mouse foetal liver, adult thymus and bone marrow. Notch 1 signalling plays a role in follicular differentiation, tissue homeostasis, and in both CD4+ and CD8+ cell maturation in the thymus. Studies have also implicated Notch 1 in the regulation of lymphopoiesis, myelopoiesis, and neurogenesis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224967065
NCBI GeneID	18128
NCBI Accession #	NP_032740.3

NCBI GenBank Nucleotide #	NM_008714.3
UniProt Accession #	Q01705; Q06007; Q3TZW2; Q3U3Y2; Q61905; Q7TQ50; Q7TQ51; Q7TQ52; Q8K428; Q99JC2; Q9QW58; Q9R0X7
Molecular Weight	269,180 Da
NCBI Official Full Name	neurogenic locus notch homolog protein 1
NCBI Official Synonym Full Names	notch 1
NCBI Official Symbol	Notch1
NCBI Official Synonym Symbols	N1; Mis6; Tan1; lin-12; 9930111A19Rik
NCBI Protein Information	neurogenic locus notch homolog protein 1; Motch A; Notch gene homolog 1; mT14; major type A protein; p300; transmembrane receptor Notch1
UniProt Protein Name	Neurogenic locus notch homolog protein 1
UniProt Gene Name	Notch1
UniProt Synonym Gene Names	Motch; Notch 1; NEXT; NICD
UniProt Entry Name	NOTC1_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/notch-1-antibody-clone-mn1a-flow-cytometry-elisa/49759>