

NOTCH1 elisa kit

Human NOTCH1 PicoKine ELISA Kit

CATALOG # AAA124874	REACTIVITY Human There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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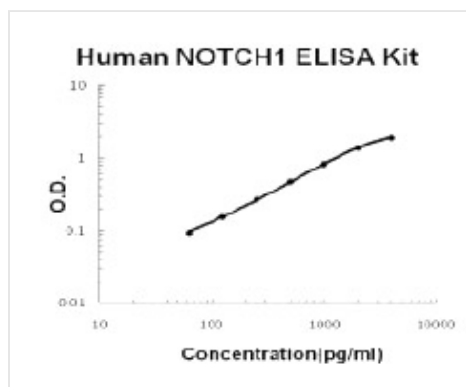
PRODUCT SYNONYMS

NOTCH1; Human NOTCH1 PicoKine ELISA Kit; Neurogenic locus notch homolog protein 1; Notch 1; hN1; Translocation-associated notch protein TAN-1; Notch 1 extracellular truncation; NEXT; Notch 1 intracellular domain; NICD; TAN1; NOTCH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human NOTCH1
Sequence Length	2,555
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<12pg/ml
Applicable Applications for NOTCH1 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOTCH1 elisa kit	Principle of the Assay: Human NOTCH1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for NOTCH1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: A19-Q526) and test samples are added to the wells, a biotinylated detection a biotinylated polyclonal antibody from goat specific for NOTCH1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human NOTCH1 amount of sample captured in plate. Background: Notch proteins are single-pass transmembrane receptors that regulate cell fate decisions during development. The Notch family includes 4 receptors, NOTCH1, NOTCH2, NOTCH3, and NOTCH4, whose ligands include JAG1, JAG2, DLL1), DLL3, and DLL4. Notch homolog 1, translocation-associated (NOTCH1), is a human gene encoding a single-pass transmembrane receptor. It functions as a receptor for membrane bound ligands, and may play multiple roles during development. NOTCH1 may normally coordinates the process of somitogenesis, and the activated Notch 1 and Notch 3 promote differentiation of progenitor cells into astroglia.
Product Categories/Family for NOTCH1 elisa kit	Neuroscience; Neurology Process; notch Pathway; Epigenetics and Nuclear Signaling; Transcription; Other Factors; Stem Cells; Signaling Pathways; notch; Surface Molecules; Nuclear; Neural Stem Cells; Intracellular; Hematopoietic Progenitors; Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	148833508
NCBI GeneID	4851
NCBI Accession #	NP_060087.3
NCBI GenBank Nucleotide #	NM_017617.4
UniProt Accession #	P46531; Q59ED8; Q5SXM3
Molecular Weight	272,505 Da
NCBI Official Full Name	neurogenic locus notch homolog protein 1 preproprotein
NCBI Official Synonym Full Names	notch 1
NCBI Official Symbol	NOTCH1
NCBI Official Synonym Symbols	hN1; AOS5; TAN1; AOVD1
NCBI Protein Information	neurogenic locus notch homolog protein 1
UniProt Protein Name	Neurogenic locus notch homolog protein 1
UniProt Gene Name	NOTCH1
UniProt Synonym Gene Names	TAN1; Notch 1; hN1; NEXT; NICD

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/human-elisa-kits/notch1/124874>