

Human Neurogenic Locus Notch Homolog Protein 1 (NOTCH1) ELISA Kit | NOTCH1 elisa kit

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CATALOG #
AAA219768

REACTIVITY
Human

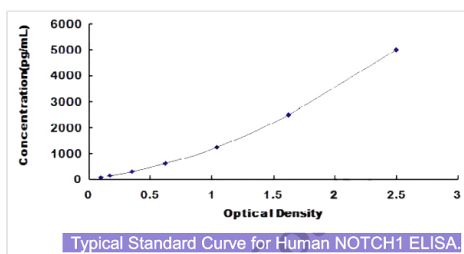
PRODUCT SYNONYMS

Neurogenic Locus Notch Homolog Protein 1 (NOTCH1); Human Neurogenic Locus Notch Homolog Protein 1 (NOTCH1) ELISA Kit; hN1; Translocation-associated notch protein TAN-1; NOTCH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NOTCH1. No significant cross-reactivity or interference between NOTCH1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates or other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	< 35.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NOTCH1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NOTCH1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOTCH1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NOTCH1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NOTCH1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NOTCH1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of NOTCH1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NOTCH1 in human serum, plasma, tissue homogenates or other biological fluids.
Product Categories/Family for NOTCH1 elisa kit	Traditional ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	148833508
NCBI GeneID	4851
NCBI Accession #	NP_060087.3
NCBI GenBank Nucleotide #	NM_017617.3
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; TAN1
NCBI Protein Information	neurogenic locus notch homolog protein 1; Notch homolog 1, translocation-associated; translocation-associated notch protein TAN-1
UniProt Protein Name	Neurogenic locus notch homolog protein 1
UniProt Gene Name	NOTCH1
UniProt Synonym Gene Names	TAN1; Notch 1; hN1; NICD
UniProt Entry Name	NOTC1_HUMAN

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/neurogenic-locus-notch-homolog-protein-1-notch1/219768>