

Human Neurogenic locus notch homolog protein 4 ELISA Kit | NOTCH4 elisa kit

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CATALOG #
AAA100352

REACTIVITY
Human

PRODUCT SYNONYMS

Neurogenic locus notch homolog protein 4; Human Neurogenic locus notch homolog protein 4 ELISA Kit; NOTCH4/INT3/Notch 4/hNotch4; NOTCH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NOS3/eNOS. No significant cross-reactivity or interference between NOS3/eNOS and analogues was observed.
Sequence Length	2003
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NOS3/eNOS were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NOS3/eNOS were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a NOTCH4 ELISA kit are listed below. This standard curve was generated in our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.107	0.129	0.173	0.239	0.461	0.854	1.283	2.105

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOTCH4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-NOS3/eNOS antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-NOS3/eNOS antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 NOS3/eNOS amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of NOS3/eNOS can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770876
NCBI GeneID	4855
NCBI Accession #	NP_004548.3
NCBI GenBank Nucleotide #	NM_004557.3
Molecular Weight	39,617 Da
NCBI Official Full Name	neurogenic locus notch homolog protein 4 preproprotein
NCBI Official Synonym Full Names	notch 4
NCBI Official Symbol	NOTCH4
NCBI Official Synonym Symbols	INT3
NCBI Protein Information	neurogenic locus notch homolog protein 4
UniProt Protein Name	Neurogenic locus notch homolog protein 4
UniProt Gene Name	NOTCH4
UniProt Synonym Gene Names	INT3; Notch 4; hNotch4
UniProt Entry Name	NOTC4_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/notch4-human-elisa-kits/neurogenic-locus-notch-homolog-protein-4/100352>