

## Human Neurogenic locus notch homolog protein 1 ELISA Kit | NOTCH1 elisa kit

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CATALOG #  
**AAA102296**

REACTIVITY  
**Human**

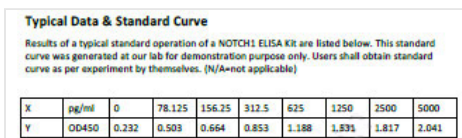
### PRODUCT SYNONYMS

Neurogenic locus notch homolog protein 1; Human Neurogenic locus notch homolog protein 1 ELISA Kit; NOTCH1/hN1 (Neurogenic locus notch homolog protein 1)/TAN1/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. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between NOTCH1 and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 2555                                                                                                                                                                                                                                                                                                                                                                           |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                                                                                                                                                                                                                                                |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                                                                                                                                                                                                                                           |
| Detection Range         | 78.125-5000pg/ml                                                                                                                                                                                                                                                                                                                                                               |
| Sensitivity             | 46.875pg/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<8%                                                                                                                                                                                                        |
| 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<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



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for NOTCH1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-NOTCH1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- NOTCH1 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. HRPStreptavidin 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 NOTCH1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of NOTCH1 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 148833508                                              |
| NCBI GeneID                      | 4851                                                   |
| NCBI Accession #                 | NP_060087.3                                            |
| NCBI GenBank Nucleotide #        | NM_017617.4                                            |
| 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                | <b>NOTCH1</b>                                          |
| UniProt Synonym Gene Names       | TAN1; Notch 1; hN1; NEXT; 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/notch1-human-elisa-kits/neurogenic-locus-notch-homolog-protein-1/102296>