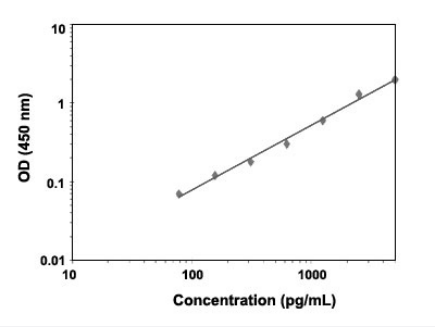
NOTCH1 (Human) ELISA Kit

Catalog # KA2219 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	NOTCH1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human NOTCH1.
Suitable Sample	Cell Lysate, Plasma, Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	79 to 5000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Expiration Date	Kit expiration is 3 months from date of shipment
Quality Control Testing	Standard Curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — NOTCH1

Entrez GeneID	4851
Gene Name	NOTCH1
Gene Alias	TAN1, hN1
Gene Description	Notch homolog 1, translocation-associated (Drosophila)
Omim ID	109730 190198
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Notch family. Members of this Type 1 transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play multiple roles during development. [provided by RefSeq
Other Designations	OTTHUMP00000022594|neurogenic locus notch homolog protein 1|notch1|translocation-associated notch protein TAN-1

Pathway

- Dorso-ventral axis formation
- Notch signaling pathway
- Prion diseases

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Disease

- Alzheimer disease
- Birth Weight
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Kidney Failure
- Leukemia
- Lymphoma
- Multiple Myeloma
- Neoplasm Recurrence
- Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Precursor T-Cell Lymphoblastic Leukemia-Lymphoma
- Schizophrenia

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