

Human beta secretase 2 (BACE2) ELISA Kit | BACE2 elisa kit

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CATALOG #
AAA244328

REACTIVITY
Human

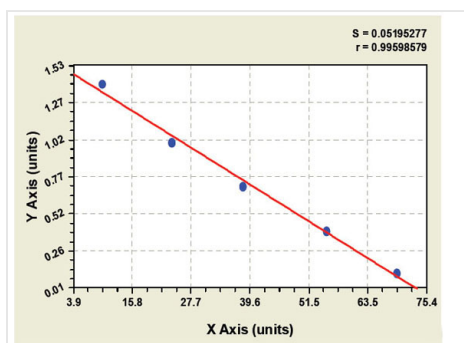
PRODUCT SYNONYMS

beta secretase 2 (BACE2); Human beta secretase 2 (BACE2) ELISA Kit; Human b secretase 2 (BACE2) ELISA Kit; BACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This BACE2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BACE2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BACE2 elisa kit

Principle of the assay: BACE2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BACE2 antibody and an BACE2-HRP conjugate. The assay sample and buffer are incubated together with BACE2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BACE2 concentration since BACE2 from samples and BACE2-HRP conjugate compete for the anti-BACE2 antibody binding site. Since the number of sites is limited, as more sites are occupied by BACE2 from the sample, fewer sites are left to bind BACE2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BACE2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for BACE2 elisa kit

Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923395
NCBI GeneID	25825
NCBI Accession #	NP_036237.2
NCBI GenBank Nucleotide #	NM_012105.4
Molecular Weight	46,476 Da
NCBI Official Full Name	beta-secretase 2 isoform A preproprotein
NCBI Official Synonym Full Names	beta-site APP-cleaving enzyme 2
NCBI Official Symbol	BACE2
NCBI Official Synonym Symbols	ASP1; BAE2; DRAP; AEPLC; ALP56; ASP21; CDA13; CEAP1
NCBI Protein Information	beta-secretase 2; memapsin-1; theta-secretase; aspartyl protease 1; 56 kDa aspartic-like protease; Down syndrome region aspartic protease; transmembrane aspartic proteinase Asp1; membrane-associated aspartic protease 1; beta-site amyloid beta A4 precursor protein-cleaving enzyme 2
UniProt Protein Name	Beta-secretase 2
UniProt Gene Name	BACE2
UniProt Synonym Gene Names	AEPLC; ALP56; ASP21; CDA13; UNQ418/PRO852; ASP1; Asp 1; Beta-site APP cleaving enzyme 2; DRAP
UniProt Entry Name	BACE2_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/beta-secretase-2-bace2/244328>