

Human beta site APP Cleaving Enzyme ELISA Kit | BACE elisa kit

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CATALOG #
AAA244456

REACTIVITY
Human

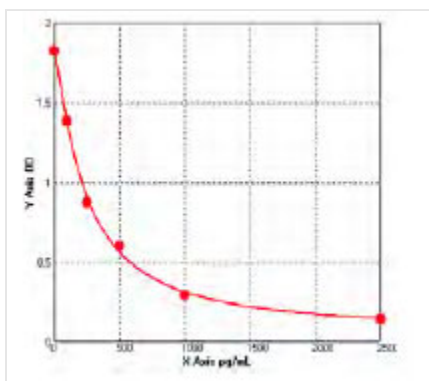
PRODUCT SYNONYMS

beta site APP Cleaving Enzyme; Human beta site APP Cleaving Enzyme ELISA Kit; Human b site APP Cleaving Enzyme ELISA Kit; BACE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BACE elisa kit

Intended Uses: This BAAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BAAT. This ELISA kit for research use only!

Principle of the Assay: BAAT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-BAAT antibody and an BAAT-HRP conjugate. The assay sample and buffer are incubated together with BAAT-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 BAAT concentration since BAAT from samples and BAAT-HRP conjugate compete for the anti-BAAT antibody binding site. Since the number of sites is limited, as more sites are occupied by BAAT from the sample, fewer sites are left to bind BAAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BAAT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6118539
NCBI GeneID	23621
Molecular Weight	42,107 Da
NCBI Official Full Name	beta-site APP cleaving enzyme
NCBI Official Synonym Full Names	beta-site APP-cleaving enzyme 1
NCBI Official Symbol	BACE1
NCBI Official Synonym Symbols	ASP2; BACE; HSPC104
NCBI Protein Information	beta-secretase 1; asp 2; memapsin-2; APP beta-secretase; aspartyl protease 2; beta-site APP cleaving enzyme 1; beta-secretase 1 precursor variant 1; transmembrane aspartic proteinase Asp2; membrane-associated aspartic protease 2; beta-site amyloid beta A4 precursor protein-cleaving enzyme
UniProt Protein Name	Beta-secretase 1
UniProt Gene Name	BACE1
UniProt Synonym Gene Names	BACE; KIAA1149; ASP2; Asp 2; Beta-site APP cleaving enzyme 1
UniProt Entry Name	BACE1_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://www.aaabiotech.com/bace-human-elisa-kits/beta-site-app-cleaving-enzyme/244456>