

Mouse Beta-secretase 2 (BACE2) ELISA Kit | BACE2 elisa kit

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CATALOG #
AAA246405

REACTIVITY
Mouse

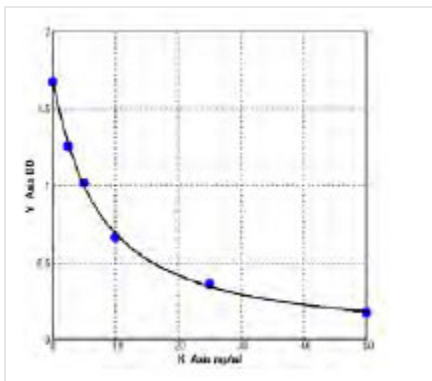
PRODUCT SYNONYMS

Beta-secretase 2 (BACE2); Mouse Beta-secretase 2 (BACE2) ELISA Kit; BACE2 elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BACE2 elisa kit

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

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

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.