

Human BACE2 ELISA Kit | BACE2 elisa kit

Human BACE2 (beta-site APP Cleaving Enzyme 2) ELISA Kit

CATALOG #
AAA163500

REACTIVITY
Human

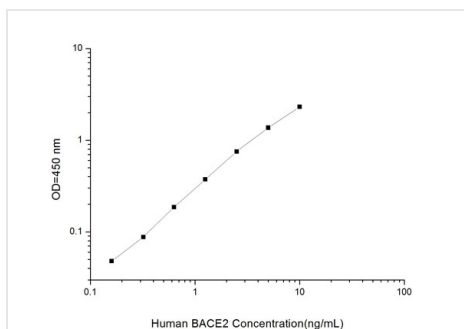
PRODUCT SYNONYMS

BACE2; Human BACE2 (beta-site APP Cleaving Enzyme 2) ELISA Kit; BACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant Human BACE2. No significant cross-reactivity or interference between Human BACE2 and analogues was observed.
Sequence Length	396
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BACE2 elisa kit	Intended Uses: This ELISA kit applies to the invitro quantitative determination of HumanBACE2concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to BACE2. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for BACE2and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain BACE2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of BACE2. You can calculate the concentration of BACE2in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21040362
NCBI GeneID	25825
NCBI Accession #	NP_620477.1
NCBI GenBank Nucleotide #	NM_138992.2
UniProt Accession #	Q9Y5Z0; Q5DIH8; Q8N2D4; Q9H2V8; Q9NZL1; Q9NZL2; Q9UJT6; A8K7P1
Molecular Weight	46,476 Da
NCBI Official Full Name	beta-secretase 2 isoform B 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; 56 kDa aspartic-like protease; Down syndrome region aspartic protease; aspartyl protease 1; beta-site amyloid beta A4 precursor protein-cleaving enzyme 2; memapsin-1; membrane-associated aspartic protease 1; theta-secretase; transmembrane aspartic proteinase Asp1
UniProt Protein Name	Beta-secretase 2
UniProt Gene Name	BACE2
UniProt Synonym Gene Names	AEPLC; ALP56; ASP21; 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.