

Human Beta-secretase 2 ELISA Kit | BACE2 elisa kit

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CATALOG #
AAA100419

REACTIVITY
Human

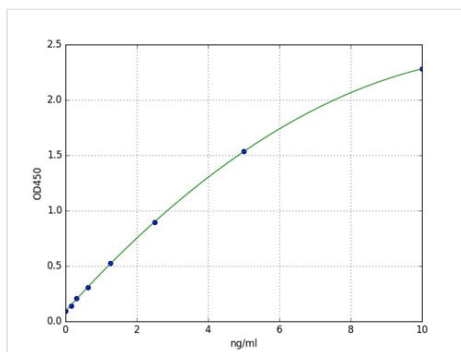
PRODUCT SYNONYMS

Beta-secretase 2; Human Beta-secretase 2 ELISA Kit; BACE2 (b-site APP Cleaving Enzyme 2)/AEPLC/Asp 1/ASP1/ASP21/Aspartic-like protease 56 kDa/Aspartyl protease 1/beta secretase 2/beta-secretase 2/beta-site amyloid beta A4 precursor protein-cleaving enzyme 2/Beta-site amyloid precursor protein cleaving enzyme 2/Beta-site APP cleaving enzyme 2/beta-site APP-cleaving enzyme 2/beta-site APP-cleaving enzyme 2; EC 3.4.23.10ALP5656 kDa aspartic-like protease/CEAP1/Down region aspartic protease/Down syndrome region aspartic protease/DRAPBAE2/EC 3.4.23/EC 3.4.23.45/memapsin-1/Memapsin-1/Membrane-associated aspartic protease 1/theta-secretase/Theta-secretase/transmembrane aspartic proteinase Asp1; BACE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	518
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human BACE2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.033	0.056	0.087	0.150	0.301	0.830	1.680	2.522

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BACE2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human BACE2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human BACE2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human BACE2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human BACE2 can be calculated.

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
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.

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Online datasheet: <https://stage.aaabiotech.com/bace2-human-elisa-kits/beta-secretase-2/100419>