

Human beta-site APP-cleaving enzyme 1 ELISA Kit | BACE1 elisa kit

Human beta-site APP-Cleaving Enzyme 1, BACE1 ELISA Kit

CATALOG #
AAA80616

REACTIVITY
Human

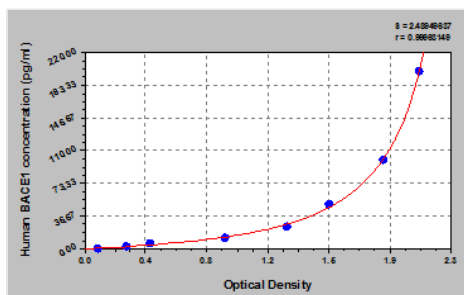
PRODUCT SYNONYMS

beta-site APP-cleaving enzyme 1; Human beta-site APP-Cleaving Enzyme 1; BACE1 ELISA Kit; BACE1 ELISA kit; ASP2; BACE; FLJ90568; HSPC104; KIAA1149; APP beta-secretase; aspartyl protease 2; beta-secretase; beta-site amyloid beta A4 precursor protein-cleaving enzyme; beta-site amyloid precursor protein cleavin; BACE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human BACE1. No significant cross-reactivity or interference between human BACE1 and analogues was observed.
Sequence Length	376
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	3.12 pg/ml-200 pg/ml
Sensitivity	< 0.78 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BACE1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for BACE1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any BACE1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BACE1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BACE1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	333755186
NCBI GeneID	23621
NCBI Accession #	NP_001193978.1
NCBI GenBank Nucleotide #	NM_001207049.1
UniProt Accession #	P56817; Q9BYB9; Q9BYC0; Q9BYC1; Q9UJT5; Q9ULS1; A0M8W7; B0YIU9; E9PE65; H7BXJ9
Molecular Weight	55,711 Da
NCBI Official Full Name	beta-secretase 1 isoform F
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://stage.aaabiotech.com/bace1-human-elisa-kits/beta-site-app-cleaving-enzyme-1/80616>