

## Rat BACE2 ELISA Kit | BACE2 elisa kit

Rat BACE2 (Beta-Site APP-Cleaving Enzyme 2) ELISA Kit

CATALOG #  
**AAA164927**

REACTIVITY  
**Rat**

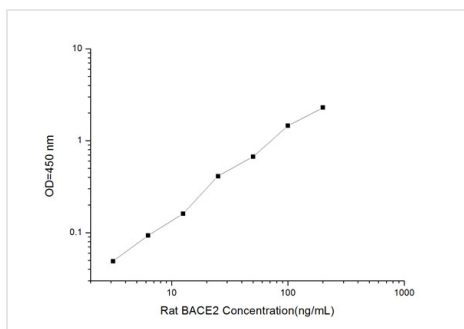
### PRODUCT SYNONYMS

BACE2; Rat BACE2 (Beta-Site APP-Cleaving Enzyme 2) ELISA Kit; BACE2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                  |
| Specificity             | This kit recognizes natural and recombinant Rat BACE2. No significant cross-reactivity or interference between Rat BACE2 and analogues was observed. |
| Sequence Length         | 396                                                                                                                                                  |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                     |
| Assay Type              | Sandwich                                                                                                                                             |
| Detection Range         | 3.125-200ng/mL                                                                                                                                       |
| Sensitivity             | Min: 1.875ng/mL; Max: 200ng/mL                                                                                                                       |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                 |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for BACE2 elisa kit | <p>Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat BACE2 concentrations in serum, plasma and other biological fluids.</p> <p>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 BACE2 and 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 BACE2 in the samples by comparing the OD of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                | <b>BACE2</b>                                                                                                                                                                                                                                                                              |
| 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.