

Product datasheet

Anti-BACE1 antibody [EPR22802-143] - BSA and Azide free (Detector) ab285091

Recombinant RabMAb

1 Image

Overview

| | |
|----------------------------|---|
| Product name | Anti-BACE1 antibody [EPR22802-143] - BSA and Azide free (Detector) |
| Description | Rabbit monoclonal [EPR22802-143] to BACE1 - BSA and Azide free (Detector) |
| Host species | Rabbit |
| Tested applications | Suitable for: Sandwich ELISA |
| Species reactivity | Reacts with: Rat, Human |
| General notes | <p>ab285091 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify Human/Mouse/Rat BACE1. The recommended pair for sandwich ELISA is:</p> <p>Capture: ab284985, Human/Mouse/Rat BACE1 Capture Antibody (unconjugated)</p> <p>Detector: ab285091, Human/Mouse/Rat BACE1 Detector Antibody (unconjugated)</p> <p>The reference range value is 156.25 - 40000 pg/mL.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type. Please note that the range provided for this antibody is only an estimation based on the performance of the product using the recommended antibody pair. Performance of the antibody pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody in your assay.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity |

- Long-term security of supply

- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

| | |
|-----------------------------|--------------------------------|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. |
| Storage buffer | Constituent: 100% PBS |
| Carrier free | Yes |
| Clonality | Monoclonal |
| Clone number | EPR22802-143 |
| Isotype | IgG |

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab285091 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-----------------------|-----------|---|
| Sandwich ELISA | | Use at an assay dependent concentration. Can be paired for Sandwich ELISA with PE / R-Phycoerythrin Conjugation Kit - Lightning-Link[®] (ab102918) and Streptavidin Conjugation Kit - Lightning-Link[®] (ab102921) and Biotinylation Kit / Biotin Conjugation Kit (Fast and Type A) - Lightning-Link[®] (ab201795) and Rabbit monoclonal [EPR22802-283] to BACE1 - BSA and Azide free (Capture) (ab284985) . |

Target

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|---|--|
| Function | Responsible for the proteolytic processing of the amyloid precursor protein (APP). Cleaves at the N-terminus of the A-beta peptide sequence, between residues 671 and 672 of APP, leads to the generation and extracellular release of beta-cleaved soluble APP, and a corresponding cell-associated C-terminal fragment which is later released by gamma-secretase. |
| Tissue specificity | Expressed at high levels in the brain and pancreas. In the brain, expression is highest in the substantia nigra, locus coeruleus and medulla oblongata. |
| Sequence similarities | Belongs to the peptidase A1 family. |
| Domain | The transmembrane domain is necessary for its activity. It determines its late Golgi localization and access to its substrate, APP. |
| Post-translational modifications | Glycosylated. |
| Cellular localization | Membrane. Golgi apparatus > trans-Golgi network. Endoplasmic reticulum. Endosome. Cell |

surface. Predominantly localized to the later Golgi/trans-Golgi network (TGN) and minimally detectable in the early Golgi compartments. A small portion is also found in the endoplasmic reticulum, endosomes and on the cell surface.

Images

Powered by recombinant antibodies

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Sandwich ELISA - Anti-BACE1 antibody
[EPR22802-143] - BSA and Azide free (Detector)
(ab285091)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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