abcam

Product datasheet

Anti-Amylin/DAP antibody [EPR22556-57] - BSA and Azide free (Detector) ab272415

Recombinant RabMAb

2 Images

Overview

Product name	Anti-Amylin/DAP antibody [EPR22556-57] - BSA and Azide free (Detector)
Description	Rabbit monoclonal [EPR22556-57] to Amylin/DAP - BSA and Azide free (Detector)
Host species	Rabbit
Tested applications	**Suitable for:** Sandwich ELISA
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab272415 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify Mouse Amylin. The recommended pair for sandwich ELISA is: Capture: **ab272414**, Mouse Amylin Capture Antibody (unconjugated) Detector: ab272415, Mouse Amylin Detector Antibody (unconjugated) The reference range value is 526.749 - 6000 pg/ml. 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. 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. 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. 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. This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22556-57
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab272415 in the following tested applications.

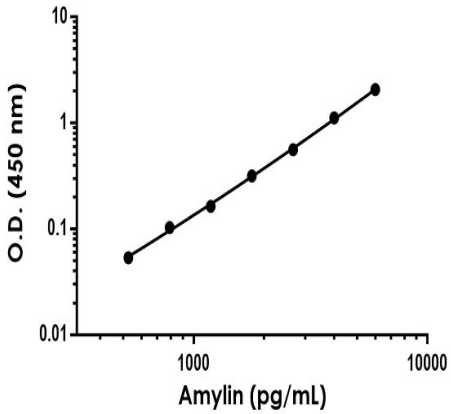
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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 **Biotinylation Kit / Biotin Conjugation Kit (Fast and Type A) - Lightning-Link® (ab201795)** and **Rabbit monoclonal [EPR22555-52] to Amylin/DAP - BSA and Azide free (Capture) (ab272414)**.

Target

Function	Selectively inhibits insulin-stimulated glucose utilization and glycogen deposition in muscle, while not affecting adipocyte glucose metabolism.
Sequence similarities	Belongs to the calcitonin family.
Domain	The mature protein is largely unstructured in the absence of a cognate ligand, and has a strong tendency to form fibrillar aggregates. Homodimerization may be the first step of amyloid formation.
Post-translational modifications	Amyloid fibrils are degraded by IDE.
Cellular localization	Secreted.

Images



Representative standard curve from corresponding SimpleStep ELISA® Kit (**ab272208**).

Sandwich ELISA - Anti-Amylin/DAP antibody [EPR22556-57] - BSA and Azide free (Detector) (ab272415)

Anti-Amylin/DAP antibody [EPR22556-57] - BSA and Azide free (Detector) (ab272415)

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