

Anti-Glycogen synthase 1/GYS1 antibody [EPR19261-36] - BSA and Azide free (Detector) ab242866

Recombinant RabMAb

[2 Images](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-Glycogen synthase 1/GYS1 antibody [EPR19261-36] - BSA and Azide free (Detector) |
| Description | Rabbit monoclonal [EPR19261-36] to Glycogen synthase 1/GYS1 - BSA and Azide free (Detector) |
| Host species | Rabbit |
| Tested applications | Suitable for: Sandwich ELISA |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers. |
| General notes | <p>ab242866 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify Human Glycogen Synthase 1. The recommended pair for sandwich ELISA is:</p> <p>Capture: ab242620, Human Glycogen Synthase 1 Capture Antibody (unconjugated) Detector: ab242866, Human Glycogen Synthase 1 Detector Antibody (unconjugated) The reference range value is 62.5 - 4000 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> |

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 | EPR19261-36 |
| Isotype | IgG |

Applications

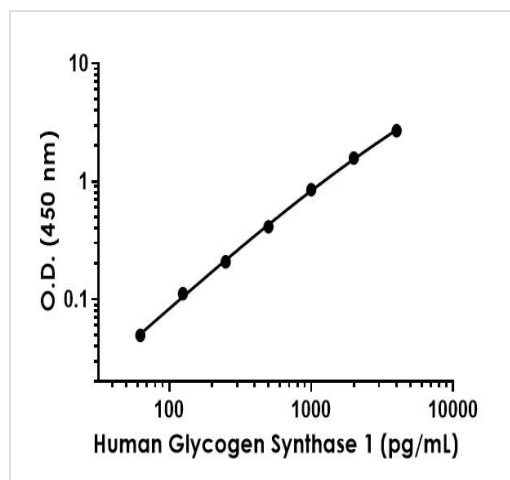
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab242866 in the following tested applications.

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 Rabbit monoclonal [EPR19261-142] to Glycogen synthase 1/GYS1 - BSA and Azide free (Capture) (ab242620) . |

Target





| | |
|-------------------------------|---|
| Function | Transfers the glycosyl residue from UDP-Glc to the non-reducing end of alpha-1,4-glucan. |
| Pathway | Glycan biosynthesis; glycogen biosynthesis. |
| Involvement in disease | Defects in GYS1 are the cause of muscle glycogen storage disease type 0 (GSD0b) [MIM:611556]; also known as muscle glycogen synthase deficiency. GSD0b is a metabolic disorder characterized by fasting hypoglycemia presenting in infancy or early childhood. The role of muscle glycogen is to provide critical energy during bursts of activity and sustained muscle work. |
| Sequence similarities | Belongs to the glycosyltransferase 3 family. |



Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab214031](#)).

Sandwich ELISA - Anti-Glycogen synthase 1/GYS1 antibody [EPR19261-36] - BSA and Azide free (Detector) (ab242866)

Why choose a recombinant antibody?

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|---|---|
|  <p>Research with confidence Consistent and reproducible results</p> |  <p>Long-term and scalable supply Recombinant technology</p> |
|  <p>Success from the first experiment Confirmed specificity</p> |  <p>Ethical standards compliant Animal-free production</p> |

Anti-Glycogen synthase 1/GYS1 antibody [EPR19261-36] - BSA and Azide free (Detector) (ab242866)

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

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