

Anti-H6PD/GDH antibody [EPR22043-49] - BSA and Azide free (Capture) ab259601

Recombinant RabMAb

2 Images

Overview

Product name	Anti-H6PD/GDH antibody [EPR22043-49] - BSA and Azide free (Capture)
Description	Rabbit monoclonal [EPR22043-49] to H6PD/GDH - BSA and Azide free (Capture)
Host species	Rabbit
Tested applications	Suitable for: Sandwich ELISA
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab259601 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify Mouse GDH. The recommended pair for sandwich ELISA is:</p> <p>Capture: ab259601, Mouse GDH Capture Antibody (unconjugated)</p> <p>Detector: ab259602, Mouse GDH Detector Antibody (unconjugated)</p> <p>The reference range value is 0.3125 - 30 ng/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>

- 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	EPR22043-49
Isotype	IgG

Applications

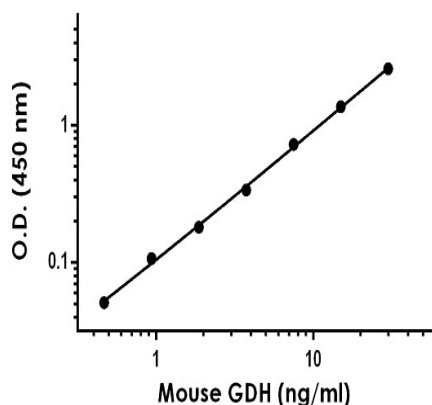
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab259601 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [EPR22043-34] to H6PD/GDH - BSA and Azide free (Detector) (ab259602) .

Target

Function	Oxidizes glucose-6-phosphate and glucose, as well as other hexose-6-phosphates.
Tissue specificity	Present in most tissues examined, strongest in liver.
Involvement in disease	Defects in H6PD are a cause of cortisone reductase deficiency (CRD) [MIM:604931]. In CRD, activation of cortisone to cortisol does not occur, resulting in adrenocorticotropin-mediated androgen excess and a phenotype resembling polycystic ovary syndrome (PCOS).
Sequence similarities	In the N-terminal section; belongs to the glucose-6-phosphate dehydrogenase family. In the C-terminal section; belongs to the glucosamine/galactosamine-6-phosphate isomerase family. 6-phosphogluconolactonase subfamily.
Cellular localization	Endoplasmic reticulum lumen. Microsomes, endoplasmic reticulum lumen.

Images



Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab246532](#)).

Sandwich ELISA - Anti-H6PD/GDH antibody
[EPR22043-49] - BSA and Azide free (Capture)
(ab259601)

Why choose a
recombinant antibody?



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

Anti-H6PD/GDH antibody [EPR22043-49] - BSA and Azide free (Capture) (ab259601)

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

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