abcam

Product datasheet

Anti-Alanine Transaminase antibody [EPR21068-102] - BSA and Azide free (Capture) ab244765

Recombinant

RabMAb

2 Images

Overview

Product name Anti-Alanine Transaminase antibody [EPR21068-102] - BSA and Azide free (Capture)

DescriptionRabbit monoclonal [EPR21068-102] to Alanine Transaminase - BSA and Azide free (Capture)

Host species Rabbit

Tested applications Suitable for: Sandwich ELISA

Species reactivity Reacts with: Human

Immunogen Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.

General notes ab244765 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify Human ALT. The recommended pair for sandwich ELISA is:

Capture: ab244765, Human ALT Capture Antibody (unconjugated)
Detector: ab245036, Human ALT Detector Antibody (unconjugated)

The reference range value is 109.38 - 7000 pg/ml.

Our <u>carrier-free</u> 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 <u>conjugation kits</u> 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:

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- 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 EPR21068-102

Isotype ΙgG

Applications

The Abpromise guarantee

Our Abpromise guarantee covers the use of ab244765 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 [EPR21068-86] to Alanine Transaminase - BSA and Azide free (Detector) (ab245036).

Target

Function Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and

glutamate. Participates in cellular nitrogen metabolism and also in liver gluconeogenesis starting

with precursors transported from skeletal muscles.

Tissue specificity Liver, kidney, heart, and skeletal muscles. Expressed at moderate levels in the adipose tissue.

Pathway Amino-acid degradation; L-alanine degradation via transaminase pathway; pyruvate from L-

alanine: step 1/1.

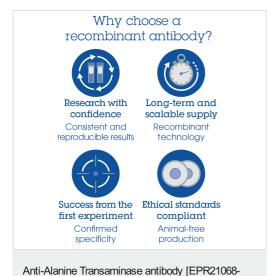
Sequence similarities Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. Alanine

aminotransferase subfamily.

Cellular localization Cytoplasm.

Standard Curve Measurements				
Concentration	O.D 450 nm		Mean	
(pg/ml)	1	2	O.D	
0	0.075	0.071	0.073	
109.38	0.132	0.124	0.128	
218.75	0.192	0.187	0.190	
437.50	0.300	0.296	0.298	
875	0.515	0.527	0.521	
1,750	0.948	0.954	0.951	
3,500	1.873	1.836	1.854	
7,000	3.225	3.188	3.206	

Sandwich ELISA - Anti-Alanine Transaminase antibody [EPR21068-102] - BSA and Azide free (Capture) (ab244765) Representative standard curve from corresponding SimpleStep ELISA® Kit (ab234578).



102] - BSA and Azide free (Capture) (ab244765)

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- · We investigate all quality concerns to ensure our products perform to the highest standards

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