

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

Recombinant RabMAb

2 Images

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-Alanine Transaminase antibody [EPR21068-102] - BSA and Azide free (Capture)   |
| <b>Description</b>         | Rabbit monoclonal [EPR21068-102] to Alanine Transaminase - BSA and Azide free (Capture)  |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> Sandwich ELISA  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human  |
| <b>Immunogen</b>           | Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.  |
| <b>General notes</b>       | <p>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:</p> <p>Capture: ab244765, Human ALT Capture Antibody (unconjugated)</p> <p>Detector: <a href="#">ab245036</a>, Human ALT Detector Antibody (unconjugated)</p> <p>The reference range value is 109.38 - 7000 pg/ml.</p> <p>Our <b>carrier-free</b> 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 <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

## Properties

|                             |                                |
|-----------------------------|--------------------------------|
| <b>Form</b>                 | Liquid                         |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C. |
| <b>Storage buffer</b>       | Constituent: 100% PBS          |
| <b>Carrier free</b>         | Yes                            |
| <b>Purity</b>               | Protein A purified             |
| <b>Clonality</b>            | Monoclonal                     |
| <b>Clone number</b>         | EPR21068-102                   |
| <b>Isotype</b>              | IgG                            |

## 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   |
|-----------------------|-----------|---|
| <b>Sandwich ELISA</b> |           | Use at an assay dependent concentration. Can be paired for Sandwich ELISA with <a href="#">Rabbit monoclonal [EPR21068-86] to Alanine Transaminase - BSA and Azide free (Detector) (ab245036)</a> . |

## Target

|                              |   |
|------------------------------|---|
| <b>Function</b>              | 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. |
| <b>Tissue specificity</b>    | Liver, kidney, heart, and skeletal muscles. Expressed at moderate levels in the adipose tissue.   |
| <b>Pathway</b>               | Amino-acid degradation; L-alanine degradation via transaminase pathway; pyruvate from L-alanine: step 1/1.  |
| <b>Sequence similarities</b> | Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. Alanine aminotransferase subfamily.   |
| <b>Cellular localization</b> | Cytoplasm.  |

| Standard Curve Measurements |            |       |             |
|-----------------------------|------------|-------|-------------|
| Concentration<br>(pg/mL)    | O.D 450 nm |       | Mean<br>O.D |
|                             | 1          | 2     |             |
| 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](#)).

#### 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-Alanine Transaminase antibody [EPR21068-  
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
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