

## Product datasheet

# Human Granzyme B Antibody Pair - BSA and Azide free ab244123

Recombinant RabMAb

[2 Images](#)

### Overview

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**Product name** Human Granzyme B Antibody Pair - BSA and Azide free

**Assay type** ELISA set

**Range** 156 pg/ml - 10000 pg/ml

**Species reactivity** **Reacts with:** Human

**Product overview** The Antibody Pair can be used to quantify Human Granzyme B. BSA and Azide free antibody pairs include unconjugated capture and detector antibodies suitable for sandwich ELISAs. The antibodies are provided at an approximate concentration of 1 mg/ml as measured by the protein A280 method. 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. Both capture and detector antibodies are rabbit monoclonal antibodies delivering consistent, specific, and sensitive results.

For additional information on the performance of the antibody pair, see the equivalent SimpleStep ELISA® Kit ([ab235635](#)), which uses the same antibodies. However, due to differences in their formulation, this antibody pair cannot be used with the consumables provided with our SimpleStep ELISA Kits. Please note that the range provided for the pairs is only an estimation based on the performance of the related product using the same 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 pair in your assay.

**Tested applications** **Suitable for:** Sandwich ELISA

**Platform** Reagents

### Properties

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**Storage instructions** Store at +4°C. Please refer to protocols.

**Carrier free** Yes

Components	10 x 96 tests
Human Granzyme B Capture Antibody (unconjugated)	1 x 100µg
Human Granzyme B Detector Antibody (unconjugated)	1 x 100µg

**Function** This enzyme is necessary for target cell lysis in cell-mediated immune responses. It cleaves after Asp. Seems to be linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution. Cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis.

**Sequence similarities** Belongs to the peptidase S1 family. Granzyme subfamily. Contains 1 peptidase S1 domain.

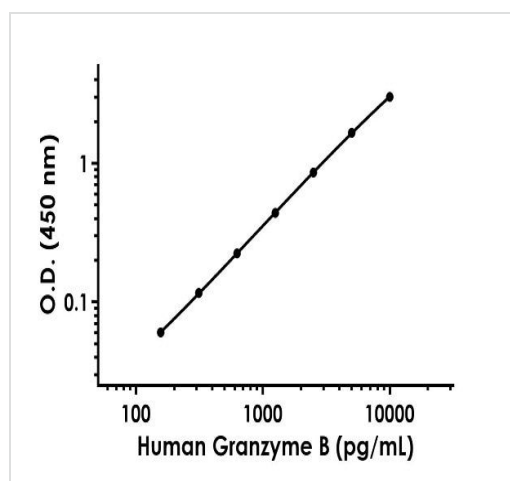
**Cellular localization** Cytoplasmic granule. Cytoplasmic granules of cytolytic T-lymphocytes and natural killer cells.

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab244123 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.

## Images



Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab235635](#)), which uses the same antibody pair. For additional information on the performance of pair and kit, refer to the corresponding kit datasheet. Due to differences in the formulation and format of the antibodies in this pair, they cannot be used as substitutes for the antibody components in our SimpleStep ELISA® Kits.

Sandwich ELISA - Human Granzyme B Antibody  
Pair - BSA and Azide free (ab244123)

Powered by  
recombinant antibodies



**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

Sandwich ELISA - Human Granzyme B Antibody  
Pair - BSA and Azide free (ab244123)

To learn more about the advantages of recombinant antibodies see [here](#).

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

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