

## Product datasheet

# Anti-CD9 antibody [MZ3] - BSA and Azide free ab239597

1 Image

### Overview

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|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-CD9 antibody [MZ3] - BSA and Azide free  |
| <b>Description</b>         | Rat monoclonal [MZ3] to CD9 - BSA and Azide free  |
| <b>Host species</b>        | Rat   |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse   |
| <b>Immunogen</b>           | Tissue, cells or virus corresponding to CD9. Mouse B cells.   |
| <b>Positive control</b>    | Flow Cyt: C57BL/6 bone marrow cells.  |
| <b>General notes</b>       | This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a> . |

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

### Properties

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|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Do Not Freeze. |
| <b>Storage buffer</b>       | Constituent: PBS   |
| <b>Carrier free</b>         | Yes  |
| <b>Purity</b>               | Protein G purified   |
| <b>Clonality</b>            | Monoclonal   |
| <b>Clone number</b>         | MZ3  |
| <b>Isotype</b>              | IgG2a  |
| <b>Light chain type</b>     | kappa  |

## Applications

Our [Abpromise guarantee](#) covers the use of **ab239597** in the following tested applications.

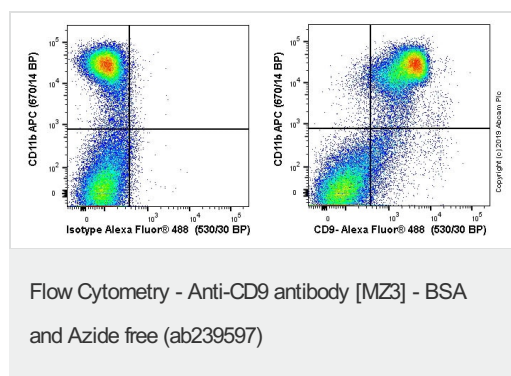
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes                              |
|-------------|-----------|------------------------------------|
| Flow Cyt    |           | Use a concentration of 0.04 µg/ml. |

## Target

|   |  |
|---|--|
| <b>Function</b>                         | Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion. |
| <b>Tissue specificity</b>               | Expressed by a variety of hematopoietic and epithelial cells.  |
| <b>Sequence similarities</b>            | Belongs to the tetraspanin (TM4SF) family.   |
| <b>Post-translational modifications</b> | Protein exists in three forms with molecular masses between 22 and 27 kDa, and is known to carry covalently linked fatty acids.  |
| <b>Cellular localization</b>            | Membrane.  |

## Images



This data was developed using the same antibody clone in a different buffer formulation ([ab235119](#))

C57BL/6 mouse bone marrow cells stained with [ab235119](#) (right) or Rat IgG2ak ([ab18450](#)) isotype (left). C57BL/6 mouse bone marrow cells were incubated for 30 min on ice in 10 % mouse serum to block FC receptors and non-specific protein-protein interaction followed by the antibody ([ab235119](#)) or Rat IgG2ak ([ab18450](#)) ( $1 \times 10^6$  in 100 µl at 0.04 µg/ml) for 30 min on ice.

The secondary antibody Goat anti-rat IgG H&L (Alexa Fluor<sup>®</sup> 488,

pre-adsorbed) ([ab150165](#)) was used at 1/2000 dilution for 30 min at 4°C. The cells were simultaneously stained with CD11b antibody.

Acquisition of >30,000 events were collected using a 50 mW Blue laser (488nm) and 530/30 bandpass filter. Events were gated on viable single cells.

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors