

Product datasheet

Anti-SLAMF6 antibody [EPR22170] - Low endotoxin, Azide free ab246707

Recombinant RabMAb

7 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-SLAMF6 antibody [EPR22170] - Low endotoxin, Azide free |
| Description | Rabbit monoclonal [EPR22170] to SLAMF6 - Low endotoxin, Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, ICC/IF, Flow Cyt, IP |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant fragment within Human SLAMF6 aa 1-250. The exact sequence is proprietary. The immunogen showed low homology (<38%) with other SLAM family members. Database link: Q96DU3 |
| Positive control | WB: Jurkat and Ramos whole cell lysates; Human lymph node and tonsil lysates. ICC/IF: Jurkat and Ramos cells. Flow Cyt: Ramos and human peripheral blood mononuclear cells. IP: Jurkat and Ramos whole cell lysates. |
| General notes | ab246707 is a carrier-free antibody designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes. |

Our [Low endotoxin, azide-free formats](#) have low endotoxin level (≤ 1 EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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](#).

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

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Storage buffer | pH: 7.2 Constituent: PBS |
| Carrier free | Yes |
| Purity | Protein A purified |
| Purification notes | Endotoxin level is less than 1 EU/ml as determined by the TAL test. |
| Clonality | Monoclonal |
| Clone number | EPR22170 |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab246707** in the following tested applications.

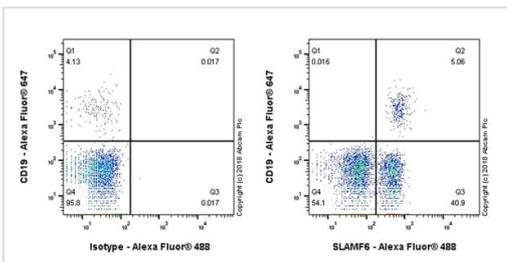
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | Use at an assay dependent concentration. Detects a band of approximately 60 kDa (predicted molecular weight: 37 kDa). |
| ICC/IF | | Use at an assay dependent concentration. |
| Flow Cyt | | Use at an assay dependent concentration. |
| IP | | Use at an assay dependent concentration. |

Target

| | |
|------------------------------|--|
| Function | Triggers cytolytic activity only in natural killer cells (NK) expressing high surface densities of natural cytotoxicity receptors. |
| Tissue specificity | Expressed by all (resting and activated) natural killer cells (NK), T- and B-lymphocytes. |
| Sequence similarities | Contains 1 Ig-like (immunoglobulin-like) domain. |
| Cellular localization | Cell membrane. |

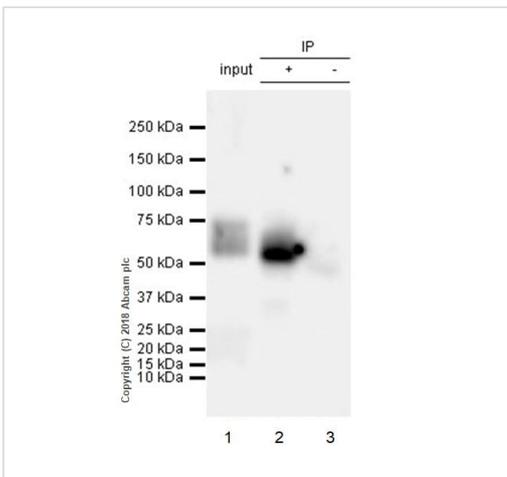
Images



Flow Cytometry - Anti-SLAMF6 antibody
[EPR22170] - Low endotoxin, Azide free (ab246707)

Flow cytometric analysis of human peripheral blood mononuclear cell (PBMC) labeling SLAMF6 with [ab224201](#) at 1/500 dilution (right panel) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (left panel). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/2000 dilution was used as the secondary antibody. Gated on viable cells.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide ([ab224201](#)).



Immunoprecipitation - Anti-SLAMF6 antibody
[EPR22170] - Low endotoxin, Azide free (ab246707)

SLAMF6 was immunoprecipitated from 0.35 mg Ramos (human Burkitt's lymphoma cell line) whole cell lysate with [ab224201](#) at 1/30 dilution. Western blot was performed from the immunoprecipitate using [ab224201](#) at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/5000 dilution.

Lane 1: Ramos whole cell lysate 10 µg (Input).

Lane 2: [ab224201](#) IP in Ramos whole cell lysate (+).

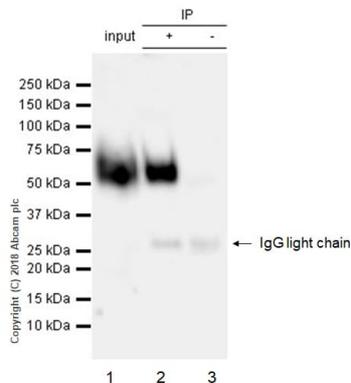
Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of [ab224201](#) in Ramos whole cell lysate (-).

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: 10 seconds.

This blot was developed using a high sensitivity ECL substrate.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide ([ab224201](#)).



Immunoprecipitation - Anti-SLAMF6 antibody
[EPR22170] - Low endotoxin, Azide free (ab246707)

SLAMF6 was immunoprecipitated from 0.35 mg Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate with [ab224201](#) at 1/30 dilution. Western blot was performed from the immunoprecipitate using [ab224201](#) at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: Jurkat whole cell lysate 10 µg (Input).

Lane 2: [ab224201](#) IP in Jurkat whole cell lysate (+).

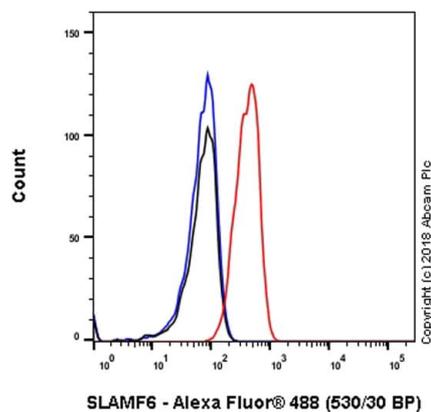
Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of [ab224201](#) in Jurkat whole cell lysate (-).

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: 10 seconds.

This blot was developed using a high sensitivity ECL substrate.

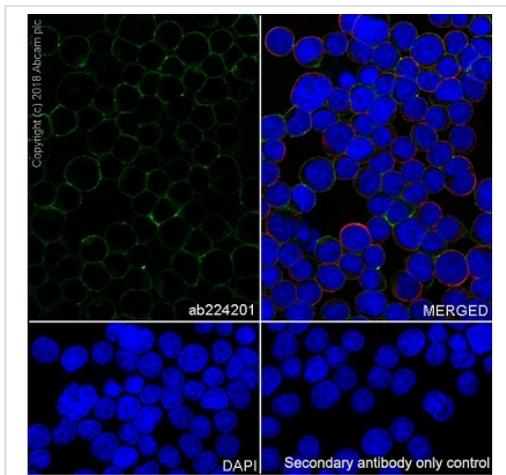
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide ([ab224201](#)).



Flow Cytometry - Anti-SLAMF6 antibody
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Flow cytometric analysis of Ramos (human Burkitt's lymphoma cell line) cell line labeling SLAMF6 with [ab224201](#) at 1/500 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control ([ab172730](#)) (black) and an unlabeled control (cells incubated with secondary antibody only) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) at 1/2000 dilution was used as the secondary antibody. Gated on viable cells.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide ([ab224201](#)).



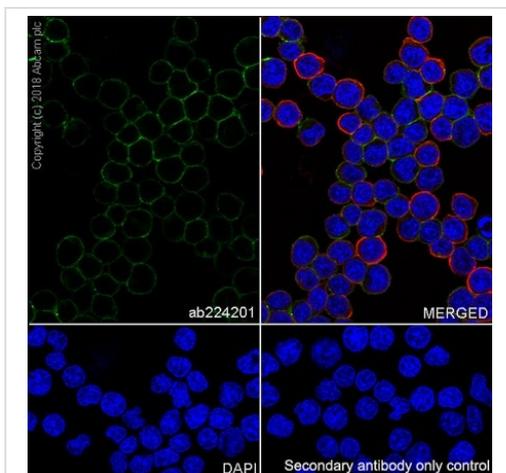
Immunocytochemistry/ Immunofluorescence - Anti-SLAMF6 antibody [EPR22170] - Low endotoxin, Azide free (ab246707)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Jurkat (human T cell leukemia cell line from peripheral blood) cells labeling SLAMF6 with [ab224201](#) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing membranous staining in the Jurkat cell line.

The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor[®] 594) ([ab195889](#)) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide ([ab224201](#)).



Immunocytochemistry/ Immunofluorescence - Anti-SLAMF6 antibody [EPR22170] - Low endotoxin, Azide free (ab246707)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Ramos (human Burkitt's lymphoma cell line) cells labeling SLAMF6 with [ab224201](#) at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing membranous staining in the Ramos cell line.

The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor[®] 594) ([ab195889](#)) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide ([ab224201](#)).

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-SLAMF6 antibody [EPR22170] - Low endotoxin,
Azide free (ab246707)

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

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