

## Product datasheet

# Anti-IL-9 antibody [EPR23484-151] - BSA and Azide free ab272699

Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-IL-9 antibody [EPR23484-151] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR23484-151] to IL-9 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), ICC/IF, IP, WB <b>Unsuitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: His-tagged mouse IL9 recombinant protein, Mouse and rat spleen, thymus lysates. ICC/IF: 293T cell. Flow Cyt (intra): 293T cell. IP: Mouse spleen lysate.
<b>General notes</b>	<p>ab272699 is the carrier-free version of <a href="#">ab227037</a>.</p> <p>Our <a href="#">carrier-free</a> 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 <a href="#">conjugation kits</a> 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>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR23484-151
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee**      Our [Abpromise guarantee](#) covers the use of ab272699 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 (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 15 kDa.

**Application notes**      Is unsuitable for IHC-P.

## Target

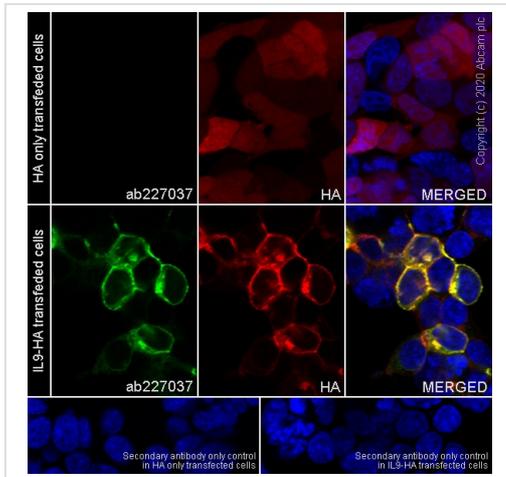
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<b>Function</b>	Supports IL-2 independent and IL-4 independent growth of helper T-cells.
<b>Sequence similarities</b>	Belongs to the IL-7/IL-9 family.
<b>Cellular localization</b>	Secreted.

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## Images

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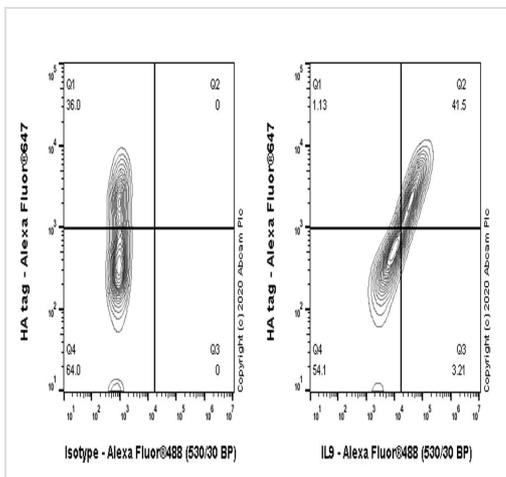


Immunocytochemistry/ Immunofluorescence - Anti-IL-9 antibody [EPR23484-151] - BSA and Azide free (ab272699)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized 293T (Human embryonic kidney epithelial cell) transfected with HA tagged mouse IL9 construct cells labelling IL-9 with [ab227037](#) at 1/500 dilution, followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor<sup>®</sup> 488) antibody at 1/1000 2 µg/ml dilution (Green). Confocal image showing strong membranous and cytoplasmic staining in 293T cells transfected with HA tagged mouse IL9 construct. anti-HA.11 Epitope Tag mouse monoclonal antibody (Alexa Fluor<sup>®</sup> 647) was used to counterstain tubulin at 1/200 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor<sup>®</sup> 488) at 1/1000 2 µg/ml dilution.

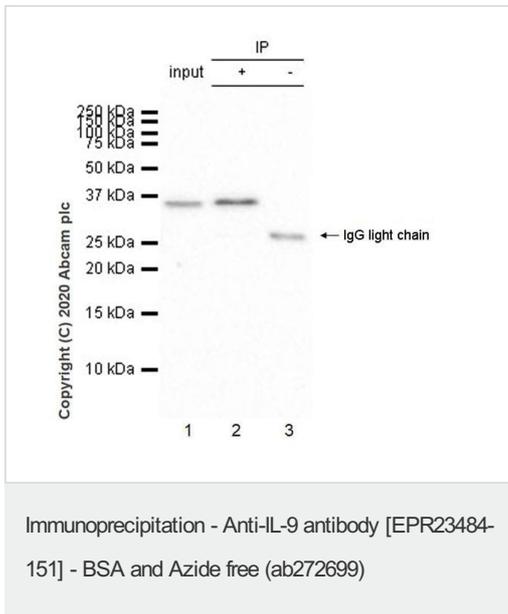
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227037](#)).



Flow Cytometry (Intracellular) - Anti-IL-9 antibody [EPR23484-151] - BSA and Azide free (ab272699)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized 293T (Human embryonic kidney epithelial cell) transfected with HA tagged mouse IL9 construct cells labelling IL-9 with [ab227037](#) at 1/500 dilution (0.1 µg) (Right) compared with a Rabbit monoclonal IgG ([ab172730](#)) isotype control (Left). A Goat anti rabbit IgG (Alexa Fluor<sup>®</sup> 488, [ab150077](#)) at 1/2000 dilution was used as the secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227037](#)).



IL-9 was immunoprecipitated from 0.35 mg mouse spleen tissue lysate 10µg with [ab227037](#) at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using [ab227037](#) at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)([ab131366](#)) was used at 1/5000 dilution.

**Lane 1:** Mouse spleen tissue lysate 10µg

**Lane 2:** [ab227037](#) IP in mouse spleen tissue lysate

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of [ab227037](#) in mouse spleen tissue lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 3 minutes.

This blot was developed using a higher sensitivity ECL substrate.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab227037](#)).

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-IL-9 antibody [EPR23484-151] - BSA and Azide free (ab272699)

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

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