

Datasheet: VMA00975

BATCH NUMBER 100005829

Description:	MOUSE ANTI WASL
Specificity:	WASL
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	E02/4E10
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/2000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - Liquid

Preparation

Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-505 of human WASL

External Database Links**UniProt:**

[O43516](#) [Related reagents](#)

Entrez Gene:

[7456](#) WIPF1 [Related reagents](#)

Synonyms WASPIP, WIP

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti WASL antibody** recognizes WAS/WASL-interacting protein family member 1, also known as WIPF1, PRPL-2, WIP. WASL is an important regulator of actin cytoskeleton assembly and remodelling, binding to and stabilizing the actin regulator Wiskott-Aldrich syndrome protein (WASp) ([Ramesh et al. 1997](#)). WASL also interacts with actin directly, an interaction found to be critical for plasticity of the actin cytoskeleton ([Keppler et al. 2018](#)). Through its role in actin regulation, it is involved with the activation and proliferation of cells. In its wider role, WASL is a multi-tasking protein within a network of protein-protein interactions ([Sokolik et al. 2020](#)). WASL is important for immune responses which depend on cellular functions requiring actin polymerization. Different roles for WASL have been identified in B cells, T cells, and natural killer cells. In these cell types, WASL deficiency has different consequences for cell proliferation, activation and function. Mutations in the WASL binding site cause Wiskott-Aldrich syndrome (WAS) and X-linked thrombocytopenia (XLT) ([Noy et al. 2012](#)).

Western Blotting Mouse anti WASL detects a band of approximately 67 kDa in MCF-7 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00975>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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