

Datasheet: VMA00975

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 Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-505 of human WASL
External Database Links	<p>UniProt: O43516 Related reagents</p> <p>Entrez Gene: 7456 WIPF1 Related reagents</p>
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	<p>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).</p>
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](#)

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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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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