

Datasheet: 1065002S

BATCH NUMBER 169053

Description:	MOUSE ANTI HUMAN ZAP 70:FITC
Specificity:	ZAP 70
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	SBZAP
Isotype:	IgG1
Quantity:	25 µg

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
Flow Cytometry (1)	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) Membrane permeabilization is required for this application. The use of Leucoperm (Product Code [BUF09](#)) is recommended for this purpose.

Target Species	Human		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Antibody purified from ascites		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)		
Approx. Protein	IgG concentration 0.1 mg/ml		

Concentrations

Immunogen Synthetic peptide corresponding to amino acids 280-309 of human ZAP70 conjugated to keyhole limpet hemocyanin (KLH).

External Database

Links

UniProt:

[P43403](#) [Related reagents](#)

Entrez Gene:

[7535](#) ZAP70 [Related reagents](#)

Synonyms SRK

RRID AB_616761

Specificity **Mouse anti Human ZAP 70 antibody, clone SBZAP** recognizes human ZAP-70, a 70kDa tyrosine protein kinase which associates with the T-cell receptor (TCR) zeta chain and undergoes phosphorylation following TCR stimulation. ZAP-70 is primarily expressed in T lymphocytes and natural killer cells, where it plays a key role in T-cell receptor (TCR) signalling. ZAP-70 is also expressed in a population of normal immature B-cells and in B-cells from a sub-set of patients with chronic lymphocytic leukaemia ([Deglesne et al. 2006](#)).

References

1. Roifman, C.M. *et al.* (1989) Depletion of CD8+ cells in human thymic medulla results in selective immune deficiency. [J Exp Med. 170 \(6\): 2177-82.](#)
 2. Arpaia, E. *et al.* (1994) Defective T cell receptor signaling and CD8+ thymic selection in humans lacking zap-70 kinase. [Cell. 76 \(5\): 947-58.](#)
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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/1065002S>
10040

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

Recommended Useful Reagents

[LEUCOPERM \(BUF09\)](#)

[LEUCOPERM \(BUF09B\)](#)

[LEUCOPERM \(BUF09C\)](#)

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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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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