

Datasheet: 1065002S

**BATCH NUMBER 153688**

<b>Description:</b>	MOUSE ANTI HUMAN ZAP 70:FITC
<b>Specificity:</b>	ZAP 70
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	SBZAP
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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 permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.**

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

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

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**External Database Links**

**UniProt:**

[P43403](#)    [Related reagents](#)

**Entrez Gene:**

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

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**Synonyms**            SRK

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**RRID**                AB\_616761

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**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. Recent studies suggest that 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.

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**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**                Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
Avoid repeated freezing and thawing as this may denature the antibody. This product should be stored undiluted.  
This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**            Guaranteed until date of expiry. Please see product label.

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

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**Regulatory**            For research purposes only

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## 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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