

## Datasheet: MCA2377

<b>Description:</b>	MOUSE ANTI SLP-76
<b>Specificity:</b>	SLP-76
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	SLP-76/03
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	0.1 mg

## 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			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			1/500

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Pig, Mouse</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from ascites
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	< 0.1% sodium azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Ig concentration 1.0 mg/ml
<b>Immunogen</b>	A fusion protein corresponding to amino acids 216-434 of human SLP-76.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q13094</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3937</a>    LCP2    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2136892
<b>Specificity</b>	<p><b>Mouse anti SLP-76 antibody, clone SLP-76/03</b> recognises the SH2 domain-containing leucocyte protein, also known as SLP-76 or Lymphocyte cytosolic protein 2. SLP-76 is a ~76 kDa tyrosine phosphoprotein, expressed primarily by T lymphocytes and cells of the myeloid lineage.</p> <p>SLP-76 is one of several adaptor proteins assisting with TCR-mediated signal transduction, through GRB2 binding, functioning as a substrate for the protein-tyrosine kinase ZAP-70 and thus playing a crucial role in both T cell ontogeny and activation. Other molecules that associate with SLP-76 include phospholipase C (PLC)-gamma, Vav, Nck and fyn binding protein.</p>
<b>Western Blotting</b>	Mouse anti Human SLP-76 antibody, clone SLP-76/03 detects a band of approximately 76 kDa in T lymphocyte cell lysates.
<b>References</b>	<ol style="list-style-type: none"> <li>Di Bartolo V <i>et al.</i> (2007) A novel pathway down-modulating T cell activation involves HPK-1-dependent recruitment of 14-3-3 proteins on SLP-76. <a href="#">J Exp Med. 204 (3): 681-91.</a></li> <li>Brockmeyer, C. <i>et al.</i> (2011) T cell receptor (TCR)-induced tyrosine phosphorylation dynamics identifies themis as a new TCR signalosome component. <a href="#">J Biol Chem. 286: 7535-47.</a></li> <li>Lasserre, R. <i>et al.</i> (2011) Release of serine/threonine-phosphorylated adaptors from signaling microclusters down-regulates T cell activation. <a href="#">J Cell Biol. 195 (5): 839-53.</a></li> <li>Lasserre, R. <i>et al.</i> (2010) Ezrin tunes T-cell activation by controlling Dlg1 and microtubule positioning at the immunological synapse. <a href="#">EMBO J. 29: 2301-14.</a></li> <li>Paster, W. <i>et al.</i> (2013) GRB2-mediated recruitment of THEMIS to LAT is essential for thymocyte development. <a href="#">J Immunol. 190 (7): 3749-56.</a></li> </ol>
<b>Further Reading</b>	1. Bonilla, F.A. <i>et al.</i> (2000) Adapter proteins SLP-76 and BLNK both are expressed by murine macrophages and are linked to signaling via Fcγ receptors I and II/III. <a href="#">Proc Natl Acad Sci U S A. 97 (4): 1725-30.</a>
<b>Storage</b>	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.

---

<b>Guarantee</b>	12 months from date of despatch
------------------	---------------------------------

---

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2377">https://www.bio-rad-antibodies.com/SDS/MCA2377</a> 10040
--------------------------------------	---

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M415518:230105'

Printed on 25 Mar 2023