

## Datasheet: MCA2578GA

**BATCH NUMBER 170502**

<b>Description:</b>	RAT ANTI MOUSE TREM-1
<b>Specificity:</b>	TREM-1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	L5-B8.2A12.3A12
<b>Isotype:</b>	IgG2a
<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	▪			1/25 - 1/100
Immunohistology - Frozen (1)	▪			
Immunohistology - Paraffin		▪		
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			
Immunofluorescence	▪			
Functional Assays			▪	

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.

**(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.**

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Mouse TREM-1 Fc fusion protein.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9JKE2</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">58217</a> Trem1    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_1833789
<b>Specificity</b>	<p><b>Rat anti Mouse Trem-1 antibody, clone L5-B8.2A12.3A12</b> recognizes mouse triggering receptor expressed on myeloid cells 1 (TREM-1), a 30kD member of the immunoglobulin superfamily expressed on neutrophils and a subset of monocytes. TREM-1 is involved in the microbial inflammatory response. It acts in conjunction with the adaptor protein DAP12 to activate neutrophils and monocytes, leading to the secretion of pro-inflammatory mediators and enhancement of the inflammatory response. Microbial infection also induces the release of soluble form of TREM-1 from monocytes, which is reported to act as an inhibitor of TREM-1.</p> <p>TREM-1 mediates the septic shock pathway, and blocking TREM-1 has been reported to reduce inflammation and increase survival in certain models of bacterial infection.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
<b>References</b>	1. Wang, F. <i>et al.</i> (2012) Blocking TREM-1 signaling prolongs survival of mice with <i>Pseudomonas aeruginosa</i> induced sepsis. <a href="#">Cell Immunol. 272 (2): 251-8.</a>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<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/MCA2578GA">https://www.bio-rad-antibodies.com/SDS/MCA2578GA</a>

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**Regulatory**For research purposes only

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**Related Products****Recommended Secondary Antibodies**

Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®650</a> , <a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

**Recommended Negative Controls**[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

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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](https://bio-rad-antibodies.com/datasheets)

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