

Datasheet: MCA2578PE

Description:	RAT ANTI MOUSE TREM-1:RPE
Specificity:	TREM-1
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	L5-B8.2A12.3A12
Isotype:	IgG2a
Quantity:	100 TESTS

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	▪			Neat

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.

Target Species	Mouse						
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized						
Reconstitution	Reconstitute with 1.0ml distilled water						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE 488nm laser	496	578					
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant						
Buffer Solution	Phosphate buffered saline						
Preservative	0.09% Sodium Azide						
Stabilisers	1% Bovine Serum Albumin 5% Sucrose						

Immunogen Mouse TREM-1 Fc fusion protein.

External Database

Links

UniProt:

[Q9JKE2](#) [Related reagents](#)

Entrez Gene:

[58217](#) Trem1 [Related reagents](#)

RRID

AB_10892677

Specificity

Rat anti Mouse Trem-1 antibody, clone L5-B8.2A12.3A12 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.

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.

Flow Cytometry

Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

References

1. Wang, F. *et al.* (2012) Blocking TREM-1 signaling prolongs survival of mice with *Pseudomonas aeruginosa* induced sepsis. [Cell Immunol. 272 \(2\): 251-8.](#)

Storage

Store at +4°C. DO NOT FREEZE.

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #20487 available at:
20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:RPE \(MCA1212PE\)](#)

Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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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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