

Datasheet: MCA4698PET

Description:	MOUSE ANTI HUMAN TREM-1:RPE
Specificity:	TREM-1
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	TREM-26
Isotype:	IgG1
Quantity:	25 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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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	Human		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	0.2% Bovine Serum Albumin		

Immunogen Recombinant human TREM-1.

External Database

Links

UniProt:

[Q9NP99](#)

[Related reagents](#)

Entrez Gene:

[54210](#)

TREM1

[Related reagents](#)

RRID

AB_1605489

Specificity

Mouse anti Human Trem-1 antibody, clone TREM-26 recognizes Triggering receptor expressed on myeloid cells 1 (TREM-1), a receptor expressed on CD14⁺ monocytes, macrophages and neutrophils. It is also highly expressed in inflammatory lesions caused by fungi and bacteria. It stimulates neutrophils and monocytes-mediated inflammatory responses. TREM-1 activation, together with LPS and other PRR ligands, amplifies the production pro-inflammatory cytokines and thus the inflammatory response. The TREM-1 pathway also plays a crucial role in septic shock.

Mouse anti Human Trem-1 antibody, clone TREM-26 has been shown to activate monocytes and granulocytes.

Flow Cytometry

Use 20ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Further Reading

1. Chikka, P. *et al.* (2009) A distinct peripheral blood monocyte phenotype is associated with parasite inhibitory activity in acute uncomplicated Plasmodium falciparum malaria. [PLoS Pathog. 5: e1000631.](#)

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

Recommended Useful Reagents

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

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

North & South Tel: +1 800 265 7376

Worldwide Tel: +44 (0)1865 852 700

Europe Tel: +49 (0) 89 8090 95 21

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.com

Email: antibody_sales_de@bio-rad.com

From
March

15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at bio-rad-antibodies.com

'M336003:181213'

Printed on 10 Feb 2021

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)