

Datasheet: MCA4697T

Description:	MOUSE ANTI HUMAN TREM-1
Specificity:	TREM-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TREM-37
Isotype:	IgG2b
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1ug/ml

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Recombinant human TREM-1.
External Database Links	UniProt: Q9NP99 Related reagents

Entrez Gene:[54210](#) TREM1 [Related reagents](#)

Specificity	Mouse anti Human Trem-1 antibody, clone TREM-37 recognizes Triggering receptor expressed on myeloid cells 1 also known as TREM-1, Triggering receptor expressed on monocytes 1 or CD354. Trem-1 is a 214 amino acid ~22 kDa single pass type 1 transmembrane immune receptor expressed on CD14 ⁺ monocytes, macrophages and neutrophils, highly expressed in inflammatory lesions caused by fungi and bacteria. It stimulates neutrophil and monocyte-mediated inflammatory responses. TREM-1 activation, together with LPS and other PRR ligands, amplifies the production pro-inflammatory cytokines and thus the inflammatory response. TREM-1 also plays a crucial role in the mediation of septic shock (Bouchon et al. 2001).
References	1. Chikka, P. et al. (2009) A distinct peripheral blood monocyte phenotype is associated with parasite inhibitory activity in acute uncomplicated <i>Plasmodium falciparum</i> malaria. PLoS Pathog. (10):e1000631 .
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG2b (HCA038...)	FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

Printed on 26 May 2017

© 2017 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)