

Datasheet: MCA2578A647

Description:	RAT ANTI MOUSE TREM-1:Alexa Fluor® 647
Specificity:	TREM-1
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	L5-B8.2A12.3A12
Isotype:	IgG2a
Quantity:	100 TESTS/1ml

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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10

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 Alexa Fluor®647 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.05mg/ml
Immunogen	Mouse TREM-1 Fc fusion protein
External Database Links	<p>UniProt: Q9JKE2 TREM1_MOUSE Related reagents</p> <p>Entrez Gene: 58217 Trem1 Related reagents</p>

Specificity MCA2578A647 recognises 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. Method sheets are available on request
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. This product is photosensitive and should be protected from light. 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.
Acknowledgements	The Alexa Fluor® dye antibody conjugates in this product are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays, and are covered by pending and issued patents.
Health And Safety Information	Material Safety Datasheet Documentation #10041 available at: http://www.abdserotec.com/uploads/MSDS/10041.pdf

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA1212A647\)](#)

Other formats and applications

This reagent is also available in a [ALEXA FLUOR® 488](#), [FITC](#), [Low Endotoxin](#), [Purified](#), [RPE](#) format and is useful for Immunohistology - Frozen, Western Blotting, Immunofluorescence, Functional Assays

For research purposes only, unless otherwise specified in writing by AbD Serotec.

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