

Mouse Anti-TREM1 Monoclonal Antibody

Cat. No. DMABT-H18611 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-TREM1 Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	TREM-1 is a 30 kD glycoprotein also known as triggering receptor expressed on myeloid cells 1, and triggering receptor expressed on monocytes 1. It is a Type I membrane protein that contains an immunoglobulin-like V-type domain. Alternatively spliced protein variant may be secreted. TREM-1 is highly expressed on peripheral blood myeloid cells (particularly mature monocytes and granulocytes); TREM-1 expression can be further upregulated by bacteria, fungi and lipopolysaccharide. TREM-1 has been shown to interact with the adaptor protein DAP12 to stimulate neutrophil and monocyte-mediated inflammatory responses through the triggering and release of pro-inflammatory cytokines and chemokines. TREM-1 is thought to amplify inflammatory responses to fungal and bacterial infections and potentiate septic shock.
Target	TREM1
Immunogen	Recombinant human TREM-1
Isotype	IgG2b, kappa
species	Human

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Conjugation	N/A
Applications	ELISA, WB, Flow Cyt
Preparation	The antibody was purified by affinity chromatography.
Usage recommendation	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 μ g per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C.
Size	25 μ g; 100 μ g

GENE INFORMATION

Gene Name	TREM1 triggering receptor expressed on myeloid cells2[Homo sapiens]
Official Symbol	TREM1
Synonyms	TREM1; triggering receptor expressed on myeloid cells 1; CD354; TREM 1; triggering-receptor TREM1; triggering receptor expressed on monocytes 1; TREM-1;
Gene ID	54210
mRNA Refseq	NM_001242589
Protein Refseq	NP_001229518

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MIM	605085
UniProt ID	Q9NP99
Chromosome Location	6p21.1
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	receptor activity;

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