

Rat TREM-2 Monoclonal Antibody | anti-TREM-2 antibody

RAT ANTI MOUSE TREM-2:Low Endotoxin

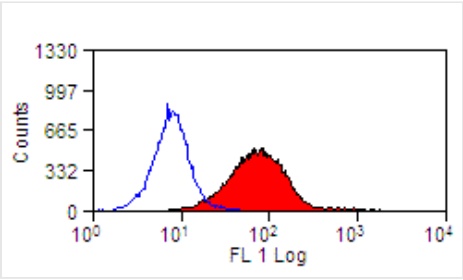
CATALOG # AAA12242	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay, Functional Assay
------------------------------	--------------------	---

PRODUCT SYNONYMS

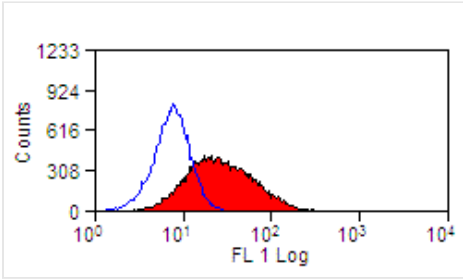
TREM-2; Monoclonal Antibody; RAT ANTI MOUSE TREM-2:Low Endotoxin; anti-TREM-2 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	78.18
Form/Format	Low Endotoxin Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	249
Applicable Applications for anti-TREM-2 antibody	FCM/FACS (Flow Cytometry), FA (Functional Assay)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul. FC: 1/25-1/200 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.
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Immunogen	Mouse TREM-2 Fc fusion protein
Fusion Partners	Lymph node cells from immunised Fisher rats were fused with cells of the rat YB-2/O myeloma cell line.
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Endotoxin	< 0.01 EU/ug
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -20°C only. 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.



Application Data
Mouse TREM2 transfected cells stained with Rat anti Mouse TREM2 followed by Goat F(ab')₂ anti Rat IgG:RPE (Mouse Adsorbed),



Application Data
J774 cells stained with Rat anti Mouse TREM2:FITC

ADDITIONAL INFORMATION

Related Product Information for anti-TREM-2 antibody	Rat anti Mouse Trem-2 antibody, clone 78.18 recognizes Triggering receptor expressed on myeloid cells 2 (TREM-2), an activating receptor of the Ig superfamily. TREM-2 forms a receptor signalling complex with DAP12 to trigger the activation of the immune response in macrophages and dendritic cells. It may be involved in chronic inflammation and may promote the production of constitutive rather than inflammatory chemokines and cytokines. TREM-2 may also have a functional role in osteoclast formation. Stimulation of TREM-2 with Rat anti Mouse Trem-2 antibody, clone 78.18 enhances multinucleated osteoclast formation in vitro. Clone 78.18 may also be used to block TREM-2 on pre-osteoclasts to inhibit the formation of multinuclear osteoclasts and to inhibit bone resorption by mature osteoclasts.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	440918700
NCBI GeneID	83433
NCBI Accession #	NP_001259007.1
NCBI GenBank Nucleotide #	NM_001272078.1
UniProt Accession #	Q99NH8; Q8CGK4; Q8CIA6; Q99NH9; Q9JL34
NCBI Official Full Name	triggering receptor expressed on myeloid cells 2 isoform 2
NCBI Official Synonym Full Names	triggering receptor expressed on myeloid cells 2
NCBI Official Symbol	Trem2
NCBI Official Synonym Symbols	TREM-2; Trem2a; Trem2b; Trem2c
NCBI Protein Information	triggering receptor expressed on myeloid cells 2; triggering receptor expressed on monocytes 2; triggering receptor expressed on myeloid cells 2a; triggering receptor expressed on myeloid cells 2b; triggering receptor expressed on myeloid cells 2c
UniProt Protein Name	Triggering receptor expressed on myeloid cells 2
UniProt Gene Name	Trem2
UniProt Synonym Gene Names	Trem2a; Trem2b; Trem2c; TREM-2
UniProt Entry Name	TREM2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.