

ARG23873 anti-TREM2 antibody [78.18]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [78.18] recognizes TREM2
Tested Reactivity	Ms
Tested Application	FACS
Host	Rat
Clonality	Monoclonal
Clone	78.18
Isotype	IgG1
Target Name	TREM2
Species	Mouse
Immunogen	Mouse TREM-2 Fc fusion protein.
Conjugation	Un-conjugated
Alternate Names	Trem2a; Trem2b; TREM-2; Triggering receptor expressed on myeloid cells 2; Triggering receptor expressed on monocytes 2; Trem2c

Application Instructions

Application table	Application	Dilution
	FACS	1:25 - 1:200

Application Note
FACS: Use 10 µl of the suggested working dilution to label 1x10⁶ cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

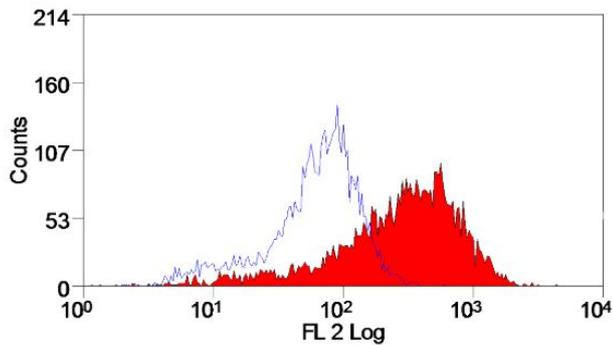
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TREM2
Gene Full Name	triggering receptor expressed on myeloid cells 2
Background	This gene encodes a membrane protein that forms a receptor signaling complex with the TYRO protein tyrosine kinase binding protein. The encoded protein functions in immune response and may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2012]
Function	May have a role in chronic inflammations and may stimulate production of constitutive rather than inflammatory chemokines and cytokines. Forms a receptor signaling complex with TYROBP and triggers activation of the immune responses in macrophages and dendritic cells. [UniProt]
Calculated Mw	25 kDa
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. Isoform 3: Secreted. [UniProt]

Images



ARG23873 anti-TREM2 antibody [78.18] FACS image

Flow Cytometry: Mouse TREM2 transfected cells stained with ARG23873 anti-TREM2 antibody [78.18], followed by incubation with RPE labelled secondary antibody.