

ARG23275 anti-TREM1 antibody [L5-B8.2A12.3A12] (low endotoxin)

Package: 250 µg
Store at: -20°C

Summary

Product Description	Azide free and low endotoxin Rat Monoclonal antibody [L5-B8.2A12.3A12] recognizes TREM1 Rat anti Mouse Trem-1 antibody, clone L5-B8. 2A12. 3A12 recognizes 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.
Tested Reactivity	Ms
Tested Application	FACS, FuncSt, ICC/IF, IHC-Fr, WB
Host	Rat
Clonality	Monoclonal
Clone	L5-B8.2A12.3A12
Isotype	IgG2a
Target Name	TREM1
Species	Mouse
Immunogen	Mouse TREM-1 Fc fusion protein.
Conjugation	Un-conjugated
Alternate Names	TREM-1; CD antigen CD354; CD354; Triggering receptor expressed on monocytes 1; Triggering receptor expressed on myeloid cells 1

Application Instructions

Application table	Application	Dilution
	FACS	1:25 - 1:100
	FuncSt	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	WB	Assay-dependent
Application Note	<p>IHC-Fr: The epitope recognized by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Arigo recommends the use of acetone fixation for frozen sections.</p> <p>FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

Properties

Form	Liquid
Purification	Purification with Protein G.
Purification Note	Low endotoxin
Buffer	PBS.
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	TREM1
Gene Full Name	triggering receptor expressed on myeloid cells 1
Background	This gene encodes a receptor belonging to the Ig superfamily that is expressed on myeloid cells. This protein amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]
Function	Stimulates neutrophil and monocyte-mediated inflammatory responses. Triggers release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Amplifier of inflammatory responses that are triggered by bacterial and fungal infections and is a crucial mediator of septic shock. [UniProt]
Calculated Mw	26 kDa
PTM	Glycosylated. [UniProt]