

ARG22473 anti-EMR1 F4 / 80 antibody [Cl:A3-1] (low endotoxin)

Package: 100 µg
Store at: -20°C

Summary

Product Description	Azide free and low endotoxin Rat Monoclonal antibody [Cl:A3-1] recognizes EMR1 F4 / 80. This antibody recognizes the murine F4 / 80 antigen, a 160 kD cell surface glycoprotein, member of the EGF-TM7 family.
Tested Reactivity	Ms
Tested Application	FACS, FuncSt, IHC-Fr, IHC-P, IP, RIA, WB
Host	Rat
Clonality	Monoclonal
Clone	Cl:A3-1
Isotype	IgG2b
Target Name	EMR1 F4 / 80
Species	Mouse
Immunogen	Thioglycollate stimulated peritoneal macrophages from C57BL/6 mice.
Conjugation	Un-conjugated
Alternate Names	EGF-like module-containing mucin-like hormone receptor-like 1; EMR1 hormone receptor; EMR1; Adhesion G protein-coupled receptor E1; EGF-like module receptor 1; TM7LN3

Application Instructions

Application table	Application	Dilution
	FACS	Neat - 1:10
	FuncSt	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	IP	Assay-dependent
	RIA	Assay-dependent
	WB	Assay-dependent

Application Note

IHC-P: Rat anti Mouse F4/80 antibody, clone A3-1 requires pre-treatment of paraffin sections prior to staining. Proteinase K is recommended for tissues fixed for less than 24 hours. Citrate buffer pH 6.0 is recommended for tissues fixed for more than 24 hours. Please view the protocol at Antigen Retrieval Techniques.

FACS: Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul

* 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.
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	Adgre1
Gene Full Name	adhesion G protein-coupled receptor E1
Background	EMR1 F4/80 has a domain resembling seven transmembrane G protein-coupled hormone receptors (7TM receptors) at its C-terminus. The N-terminus of the encoded protein has six EGF-like modules, separated from the transmembrane segments by a serine/threonine-rich domain, a feature reminiscent of mucin-like, single-span, integral membrane glycoproteins with adhesive properties. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
Function	EMR1 F4/80: Orphan receptor involved in cell adhesion and probably in cell-cell interactions specifically involving cells of the immune system. May play a role in regulatory T-cells (Treg) development. [UniProt]
Highlight	Related products: EMR1 F4/80 antibodies ; EMR1 F4/80 Duos / Panels ; Anti-Rat IgG secondary antibodies ; Related news: Exploring Antiviral Immune Response
Research Area	Mouse Inflammatory Cell Marker antibody; Macrophage Marker antibody
Calculated Mw	98 kDa