

ARG23155 anti-EMR3 antibody [3D7] (FITC)

Package: 50 µg
Store at: 4°C

Summary

Product Description	FITC-conjugated Hamster Monoclonal antibody [3D7] recognizes EMR3 Hamster anti Human EMR3 antibody, clone 3D7 recognizes human epidermal growth factor (EGF) module-containing mucin-like hormone receptor 3 (EMR3), a ~56 kDa member of the EGF-7 transmembrane (TM7) family of adhesion receptors. EMR3 is expressed at the cell surface as a heterodimer. The molecule is predominantly expressed on granulocytes, and at lower levels on mature myeloid cells, monocytes and dendritic cells. EMR3 is absent on lymphocytes, haematopoietic stem cells and myeloid progenitors. Studies suggest that the EMR3 molecule is up-regulated during late stages of neutrophil differentiation and is a marker for terminally differentiated cells. The exact functions of EMR3 and its ligands have not yet been determined.
Tested Reactivity	Hu
Tested Application	FACS
Host	Hamster
Clonality	Monoclonal
Clone	3D7
Isotype	IgG
Target Name	EMR3
Species	Human
Immunogen	ARHO-EMR3-CD97 (EGF1) transfectants.
Conjugation	FITC
Alternate Names	EGF-like module receptor 3; EMR3; Adhesion G protein-coupled receptor E3; EGF-like module-containing mucin-like hormone receptor-like 3

Application Instructions

Application table	Application	Dilution
	FACS	Neat - 1:10
Application Note	FACS: Use 10 µl of the suggested working dilution to label 10 ⁶ 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	0.1 mg/ml

Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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	ADGRE3
Gene Full Name	adhesion G protein-coupled receptor E3
Background	This gene encodes a member of the class B seven-span transmembrane (TM7) receptor family expressed predominantly by cells of the immune system. Family members are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor (EGF)-like domains coupled to a TM7 domain via a mucin-like spacer domain. This gene is closely linked to the gene encoding egf-like molecule containing mucin-like hormone receptor 2 on chromosome 19. This protein may play a role in myeloid-myeloid interactions during immune and inflammatory responses. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2014]
Function	Orphan receptor that may play a role myeloid-myeloid interactions during immune and inflammatory responses. A ligand for the soluble form of this receptor is present at the surface of monocytes-derived macrophages and activated neutrophils. [UniProt]
Calculated Mw	73 kDa
PTM	Proteolytically cleaved into 2 subunits, an extracellular alpha subunit and a seven-transmembrane subunit. [UniProt]