EMR1 Antibody FITC Conjugated

Catalog No: #C06767F

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Description

Product Name	EMR1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 732-747 886 derived from human EMR1
Conjugates	FITC
Target Name	EMR1
Other Names	TM7LN3; EGF-like module-containing mucin-like hormone receptor-like 1; EGF-like module receptor 1; EMR1 hormone receptor; EMR1
Accession No.	Swiss-Prot#Q14246NCBI Gene ID2015
Uniprot	Q14246
GeneID	2015;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200

Background

The epidermal growth factor (EGF)-TM7 family constitutes a group of class B G-protein coupled receptors, which includes CD97, EMR1 (EGF-like molecule containing mucin-like hormone receptor 1, designated F4 80 in mouse), EMR2, EMR3, FIRE, and ETL (1a3). These family members are characterized by an extended extracellular region with several N-terminal EGF domains, and are predominantly expressed on cells of the immune system (1a3). The EGF-TM7 protein family are encoded by a gene cluster on human chromosome 19p13 (1,3,4). The F4 80 molecule is solely expressed on the surface of macrophages and serves as a marker for mature macrophage tissues, including Kupffer cells in liver, splenic red pulp macrophages, brain microglia, gut lamina propria, and Langerhans cells in the skin (1). F4 80 EMR1 undergoes extensive N-linked glycosylation as well as some O-linked glycosylation (5,6). The function of F4 80 EMR1 is unclear, but it is speculated to be involved in macrophage adhesion events, cell migration, or as a G-protein coupled signaling component of macrophages.

Note: This product is for in vitro research use only