

EMR3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55635

Specification

EMR3 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Host
Clonality
Calculated MW
Physical State

O9BY15
Rabbit
Polyclonal
70 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human EMR3

Epitope Specificity 31-130/652

Isotype IgG

Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell membrane; Multi-pass membrane

protein. EMR3 subunit alpha: Secreted, extracellular space. Note: A soluble form is

also detected.

SIMILARITY Belongs to the G-protein coupled receptor

2 family. LN-TM7 subfamily. Contains 2 EGF-like domains. Contains 1 GPS domain. Forms a heterodimer, consisting of a large

SUBUNIT Forms a heterodimer, consisting of a

extracellular region (alpha subunit)

non-covalently linked to a

seven-transmembrane moiety (beta

subunit) (By similarity).

extracellular alpha subunit and a seven-transmembrane subunit (By

similarity).

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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. [provided by RefSeq, Jul 2008]

EMR3 Polyclonal Antibody - Additional Information



Gene ID 84658

Other Names

Adhesion G protein-coupled receptor E3, EGF-like module receptor 3, EGF-like module-containing mucin-like hormone receptor-like 3, ADGRE3 (<a href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=23647"

target=" blank">HGNC:23647), EMR3

Target/Specificity

Displays a predominantly leukocyte-restricted expression, with highest levels in neutrophils, monocytes and macrophages.

Dilution

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 < span class = "dilution_WB">WB~~1:1000</span>< br \>< span class = "dilution_IHC-P">IHC-P~~N/A</span>< br \>< span class = "dilution_IHC-F">IHC-F~~N/A</span>< br \>< span class = "dilution_IF">IF~~1:50~200</span>< br \>< span class = "dilution_ICC">ICC~~N/A</span>< br \>< span class = "dilution_E">E~~N/A</span>< span class = "dilution_E">E~~N/A</span
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Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

EMR3 Polyclonal Antibody - Protein Information

Name ADGRE3 (HGNC:23647)

Synonyms EMR3

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.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Displays a predominantly leukocyte-restricted expression, with highest levels in neutrophils, monocytes and macrophages.

EMR3 Polyclonal Antibody - Protocols

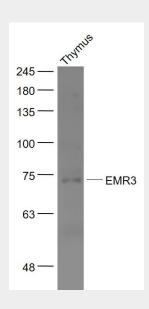
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety



• Cell Culture

EMR3 Polyclonal Antibody - Images



Sample:

Thymus (Mouse) Lysate at 40 ug

Primary: Anti- EMR3 (bs-14588R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 70 kD Observed band size: 70 kD