EMR2 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	EMR2, Polyclonal Antibody
Full Product Name	EMR2 Polyclonal Antibody
Product Gene Name	anti-EMR2 antibody
Clonality	Polyclonal
Molecular Weight	84,079 Da
OMIM	125630
3D Structure	ModBase 3D Structure for Q9UHX3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-EMR2 antibody	MBS8522526 is an antibody targeting EMR2. Also known as EMR2 Polyclonal Antibody.
Other Notes	Small volumes of anti-EMR2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EMR2. It may not necessarily be applicable to this product.

NCBI GI #	402743849
NCBI GeneID	30817
NCBI Accession #	NP_001257981.1
UniProt Primary Accession #	Q9UHX3
UniProt Secondary Accession #	Q8NG96; Q9Y4B1; B4DQ96; E7ESD7; E9PBR1; E9PEL6; E9PFQ5; E9PG91
UniProt Related Accession #	Q9UHX3
GenBank Nucleotide #	NM_001271052.1
NCBI Official Full Name	adhesion G protein-coupled receptor E2 isoform h
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor E2
NCBI Official Symbol	ADGRE2
NCBI Official Synonym Symbols	VBU; EMR2; CD312
UniProt Protein Name	Adhesion G protein-coupled receptor E2
UniProt Synonym Protein Names	EGF-like module receptor 2; EGF-like module-containing mucin-like hormone receptor-like 2; CD_antigen: CD312
UniProt Gene Name	ADGRE2
NCBI Protein Information	adhesion G protein-coupled receptor E2

NCBI Summary for EMR2	This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of G-protein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]
UniProt Comments for EMR2	Cell surface receptor that binds to the chondroitin sulfate moiety of glycosaminoglycan chains and promotes cell attachment. Promotes granulocyte chemotaxis, degranulation and adhesion. In macrophages, promotes the release of inflammatory cytokines, including IL8 and TNF. Signals probably through G-proteins. Is a regulator of mast cell degranulation (PubMed:26841242).
Research Articles on EMR2	**1.** Data suggest that blood neutrophils expressing CD11c antigen and EMR2 protein be considered as potential biomarkers for sepsis and systemic inflammatory response syndrome (SIRS), respectively.
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