

EMR2 Blocking Peptide
Catalog # PBV10292b**Specification**

EMR2 Blocking Peptide - Product Information

Primary Accession	Q9UHX3
Other Accession	A0JNV7
Gene ID	30817
Calculated MW	90472

EMR2 Blocking Peptide - Additional Information**Gene ID** 30817**Application & Usage**

The peptide is used for blocking the antibody activity of EMR2. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

EGF-like module-containing mucin-like hormone receptor-like 2, EGF-like module receptor 2, CD312, EMR2

Target/Specificity

EMR2

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

EMR2 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

EMR2 Blocking Peptide - Protein Information**Name** ADGRE2 ([HGNC:3337](#))**Synonyms** EMR2**Function**

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).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, ruffle membrane; Multi-pass membrane protein. Note=Localized at the leading edge of migrating cells.

Tissue Location

Expression is restricted to myeloid cells. Highest expression was found in peripheral blood leukocytes, followed by spleen and lymph nodes, with intermediate to low levels in thymus, bone marrow, fetal liver, placenta, and lung, and no expression in heart, brain, skeletal muscle, kidney, or pancreas. Expression is also detected in monocyte/macrophage and Jurkat cell lines but not in other cell lines tested. High expression in mast cells (PubMed:26841242)

EMR2 Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EMR2 Blocking Peptide - Images