

For Research Use Only

EMR2 Recombinant antibody

Catalog Number: 84608-5-RR



Basic Information

Catalog Number:

84608-5-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_013447.3

GeneID (NCBI):

30817

UNIPROT ID:

Q9UHX3-1

Full Name:

egf-like module containing, mucin-like, hormone receptor-like 2

Calculated MW:

90 kDa

Observed MW:

75-90 kDa

Purification Method:

Protein A purification

CloneNo.:

242042E3

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, THP-1 cells, LO2 cells

Background Information

EMR2 (Epidermal Growth Factor-like module-containing Mucin-like Hormone Receptor 2), also known as ADGRE2, is a member of the adhesion-GPCR family that contains extracellular EGF-like domains. EMR2 contains a total of five tandem EGF-like domains and expresses similar protein isoforms consisting of various numbers of EGF-like domains as a result of alternative RNA splicing (PMID: 10903844). EMR2 is restricted to myeloid cells including monocytes, macrophages, dendritic cells and granulocytes²⁸ and its expression is highly regulated during monocyte/macrophage differentiation (PMID: 31969668). The ligation of EMR2 could increase neutrophil adhesion, migration and anti-microbial mediator production and could enhance the systemic inflammation (PMID: 27905560).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

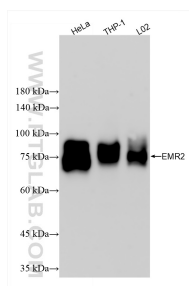
T: 4006900926

E: Proteintech-CN@ptglab.com

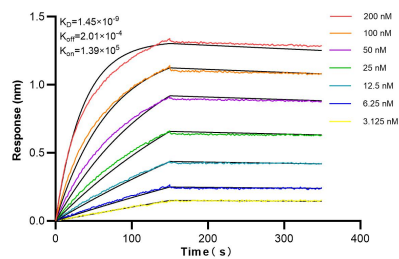
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84608-5-RR (EMR2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84608-5-RR against Human EMR2 were performed. The affinity constant is 1.45 nM.