

Anti-Human EMR1 Rabbit Recombinant Antibody

Catalog Number: 98330-3-RR

Basic Information

Catalog Number:

98330-3-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1716

GenBank Accession Number:

NM_001974.5

GeneID (NCBI):

2015

UNIPROT ID:

Q14246-1

Full Name:

egf-like module containing, mucin-like, hormone receptor-like 1

Calculated MW:

98kDa

Purification Method:

Protein A purification

CloneNo.:

241999C1

Recommended Dilutions:FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood leukocytes,

Background Information

EMR1 (EGF-like module containing mucin-like hormone receptor 1), also known as Adhesion G protein-coupled receptor E1 (ADGRE1), is a surface receptor with seven transmembrane segments that belong to the EGF-7-transmembrane family of G protein-coupled receptors (PMID: 14647991, 7601460). EMR1 expression is restricted to eosinophilic granulocytes, where expression is overlapping with the eotaxin receptor CCR3 and the immunoglobulin-like lectin Siglec-8. Absence on other leukocytes, including basophils, implies that EMR1 is a highly specific marker for eosinophils in humans and may be used as a novel therapeutic target for eosinophilic disorders (PMID: 17823986, 24530099). F4/80, the murine homolog of EMR1, is a marker of murine macrophage.

Storage

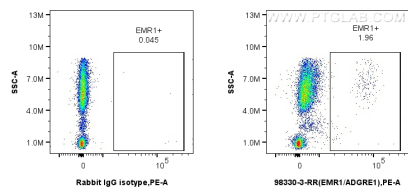
Storage:

Store at 2 - 8°C. Stable for one year after shipment.

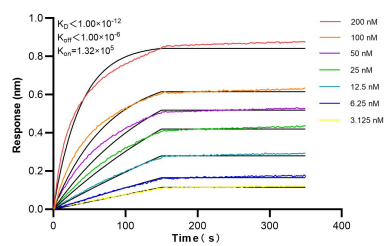
Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human EMR1 Rabbit RecAb (98330-3-RR, Clone: 241999C1) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98330-3-RR against Human EMR were performed. The affinity constant is below 1 pM.