

For Research Use Only

Anti-Human EMR2/CD312 Rabbit Recombinant Antibody

Catalog Number: 98260-1-RR



Basic Information

Catalog Number: 98260-1-RR	GenBank Accession Number: NM_013447.3	Purification Method: Protein A purification
Size: 100ug, 1000 ug/ml	GeneID (NCBI): 30817	CloneNo.: 242042B11
Source: Rabbit	UNIPROT ID: Q9UHX3-1	
Isotype: IgG	Full Name: egf-like module containing, mucin-like, hormone receptor-like 2	
	Calculated MW: 90 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

EMR2 (Epidermal Growth Factor-like module-containing Mucin-like Hormone Receptor 2), also known as CD312 or 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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

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

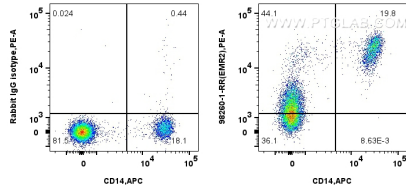
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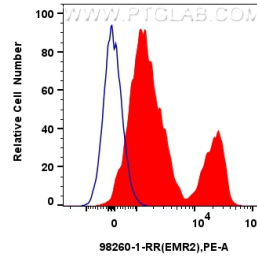
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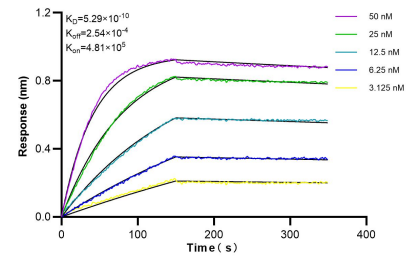
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.125 ug Anti-Human EMR2/CD312 Rabbit Recombinant Antibody (98260-1-RR, Clone: 242042B11) or 0.125 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD14. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.125 ug Anti-Human EMR2/CD312 Rabbit Recombinant Antibody (98260-1-RR, Clone: 242042B11)(red) or 0.125 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98260-1-RR against Human EMR2/CD312 were performed. The affinity constant is 0.529 nM.