

For Research Use Only

Anti-Human FCRL1 Rabbit Recombinant Antibody

Catalog Number: 98557-1-RR



Basic Information

Catalog Number: 98557-1-RR	GenBank Accession Number: BC033690	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 115350	CloneNo.: 251080E1
Source: Rabbit	UNIPROT ID: Q96LA6	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: Fc receptor-like 1	
Immunogen Catalog Number: EG3713	Calculated MW: 429 aa, 47 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs, Transfected CHO cells
Species Specificity: human	

Background Information

Fc receptor-like protein 1 (FCRL1) is a type I transmembrane glycoprotein that plays a crucial role in regulating B-cell receptor (BCR)-mediated signaling responses (PMID:15479727). It contains intracellular tyrosine-based motifs that can modulate BCR signaling, leading to changes in calcium flux, proliferation, and antibody production (PMID: 37822931). FCRL1 is involved in regulating B-cell development and activation, with its signaling pathways influencing ERK activation through interactions with proteins such as GRB2. This regulation is essential for maintaining B-cell homeostasis and preventing the development of autoreactive B cells (PMID: 34697226).

Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

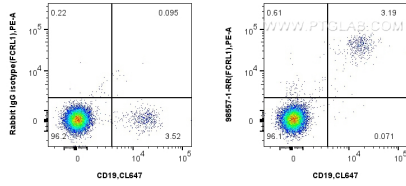
T: 4006900926

E: Proteintech-CN@ptglab.com

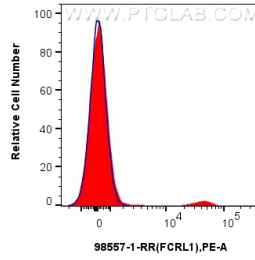
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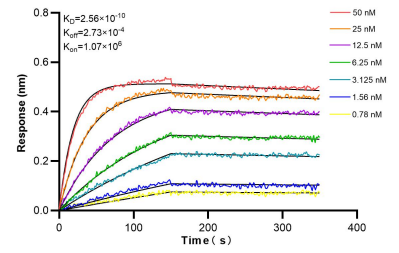
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human FCRL1 Rabbit RecAb (98557-1-RR, Clone: 251080E1) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human FCRL1 Rabbit RecAb (98557-1-RR, Clone: 251080E1) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98557-1-RR against Human FCRL1 were performed. The affinity constant is 0.256 nM.