

For Research Use Only

Anti-Mouse IL3RA/CD123 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98687-2-PBS



Basic Information

Catalog Number: 98687-2-PBS	GenBank Accession Number: NM_008369	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 16188	CloneNo.: 252425E12
Source: Rabbit	UNIPROT ID: P26952	
Isotype: IgG	Full Name: interleukin 3 receptor, alpha chain	
Immunogen Catalog Number: EG6614	Calculated MW: 43 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

IL-3RA, also named as CD123 and SUT-1, is the alpha subunit of the interleukin 3 (IL-3) receptor, which is part of the type I cytokine receptor superfamily (PMID: 25043189). It can regulate the proliferation, survival, and differentiation of hematopoietic cells. In mouse, there are two classes of high-affinity IL-3 receptors. One contains an IL-3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL-5 and GM-CSF receptors.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

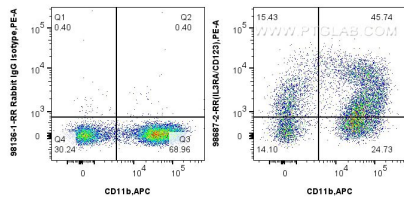
T: 4006900926

E: Proteintech-CN@ptglab.com

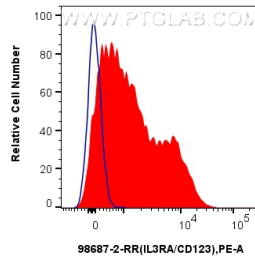
W: ptgcn.com

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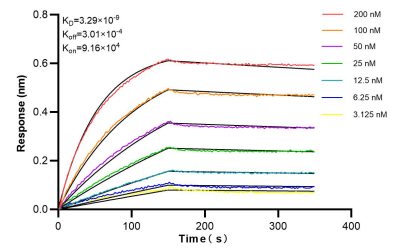
Selected Validation Data



1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse IL3RA/CD123 Rabbit RecAb (98687-2-RR, Clone:252425E12), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with APC Anti-Mouse CD11b. Cells were not fixed. This data was developed using the same antibody clone with 98687-2-PBS in a different storage buffer formulation.



1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse IL3RA/CD123 Rabbit RecAb (98687-2-RR, Clone:252425E12) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed. This data was developed using the same antibody clone with 98687-2-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 98687-2-RR against Mouse IL3RA/CD123 were performed. The affinity constant is 3.29 nM.