

For Research Use Only

Anti-Mouse CD157 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98213-1-PBS



Basic Information

Catalog Number:

98213-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

12182

UNIPROT ID:

Q64277

Full Name:

bone marrow stromal cell antigen 1

Calculated MW:

35kDa

Purification Method:

Protein A purification

CloneNo.:

241822H1

Applications

Tested Applications:

FC

Species Specificity:

mouse

Background Information

CD157, also known as bone marrow stromal cell antigen 1 (BST-1), or ADP-ribosyl cyclase 2, is a glycosyl phosphatidylinositol-anchored protein that stimulates pre-B-cell growth and has adenosine diphosphate (ADP)-ribosyl cyclase and cyclic ADP-ribose (cADPR) hydrolase activity (PMID: 9473467, 11866528). The two enzymatic activities are responsible for the synthesis and hydrolysis of cADPR, a novel second messenger of calcium release from intracellular calcium stores.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

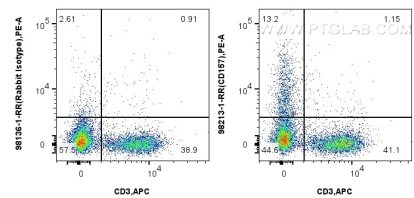
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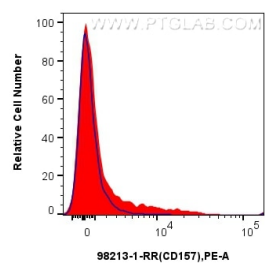
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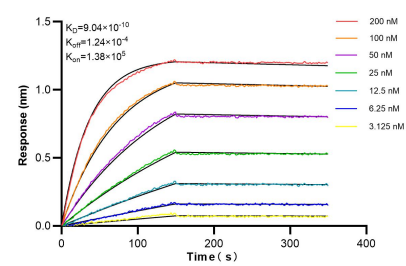
Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD157 Rabbit Recombinant Antibody (98213-1-RR, Clone: 241822H1) or 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-Mouse CD3 (17A2) (APC-65077, Clone: 17A2). Cells were not fixed. This data was developed using the same antibody clone with 98213-1-PBS in a



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD157 Rabbit Recombinant Antibody (98213-1-RR, Clone: 241822H1) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98213-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98213-1-RR against Mouse CD157 were performed. The affinity constant is 0.904 nM.