

For Research Use Only

# Anti-Mouse CD157 Rabbit Recombinant Antibody

Catalog Number: 98213-1-RR



## Basic Information

<b>Catalog Number:</b> 98213-1-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 12182	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 ug/ml	<b>UNIPROT ID:</b> Q64277	<b>CloneNo.:</b> 241822H1
<b>Source:</b> Rabbit	<b>Full Name:</b> bone marrow stromal cell antigen 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 35kDa	

## 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 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:

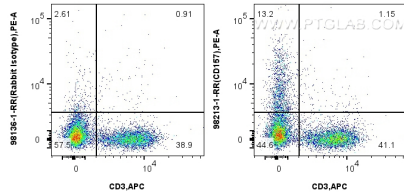
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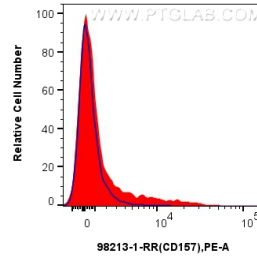
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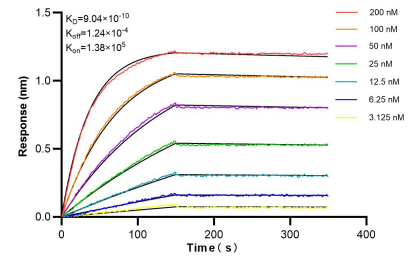
## Selected Validation Data



1x10<sup>6</sup> 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.



1x10<sup>6</sup> 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.



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