

For Research Use Only

# FcZero-rAb™ APC Anti-Human CD157 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98146



## Basic Information

<b>Catalog Number:</b> APC-FcA98146	<b>GenBank Accession Number:</b> BC012095	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100 tests, 5 µl/test	<b>GeneID (NCBI):</b> 683	<b>CloneNo.:</b> 241424H5
<b>Source:</b> Rabbit	<b>Full Name:</b> bone marrow stromal cell antigen 1	<b>Recommended Dilutions:</b> FC: 5 µl per 10 <sup>6</sup> cells in 100 µl suspension
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 318 aa, 36 kDa	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : human peripheral blood leukocytes,
<b>Species Specificity:</b> human	

## 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. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

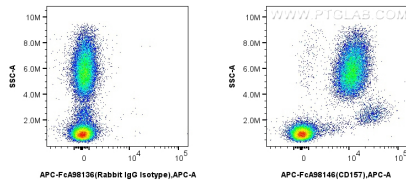
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## Selected Validation Data



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human CD157 Rabbit RecAb (APC-FcA98146, Clone: 241424H5), or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.