

For Research Use Only

# APC Anti-Mouse CD223 (C9B7W)

Catalog Number: APC-65098



## Basic Information

<b>Catalog Number:</b> APC-65098	<b>GenBank Accession Number:</b> BC120591	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.2 mg/ml	<b>GeneID (NCBI):</b> 16768	<b>CloneNo.:</b> C9B7W
<b>Source:</b> Rat	<b>UNIPROT ID:</b> Q61790	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 660 nm
<b>Isotype:</b> IgG1, kappa	<b>Full Name:</b> lymphocyte-activation gene 3	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## Background Information

Lymphocyte activation gene 3 protein (LAG-3), also known as CD223, is a type I transmembrane protein belonging to the immunoglobulin superfamily (PMID: 1692078). It is a CD4-related molecule that binds MHC class II with high affinity (PMID: 1692078; 9159144). LAG-3 is expressed on activated T and NK cells. Besides, natural CD4(+)CD25(+) Tregs express LAG-3 upon activation (PMID: 15485628). LAG-3 negatively regulates T-cell function and homeostasis, and contributes to the suppressor activity of Tregs (PMID: 14644131; 15485628).

## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA.

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

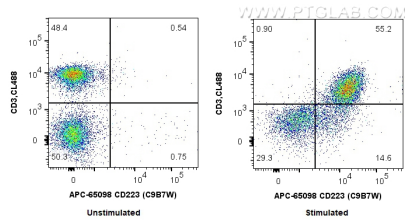
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## Selected Validation Data



1X10<sup>6</sup> unstimulated or anti-CD3/CD28 stimulated mouse splenocytes were surface co-stained with CoraLite® Plus 488 Anti-Mouse CD3 (17A2) (CL488-65077, Clone: 17A2) and 0.25 ug APC Anti-Mouse CD223 (APC-65098, Clone: C9B7W). Cells were not fixed.