

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse CD223 (C9B7W)



Catalog Number: **CL488-65098**

## Basic Information

<b>Catalog Number:</b> CL488-65098	<b>GenBank Accession Number:</b> BC120591	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 16768	<b>CloneNo.:</b> C9B7W
<b>Source:</b> Rat	<b>Full Name:</b> Lymphocyte-activation gene 3	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Isotype:</b> IgG1, kappa		

## 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).

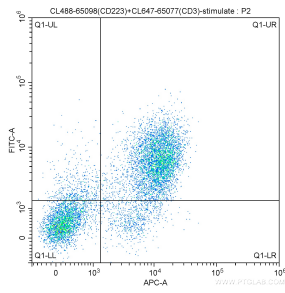
## Storage

**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, pH 7.3.

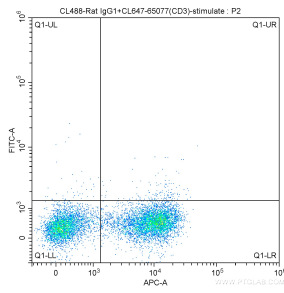
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> Con A-stimulated (3 ug/ml Con A, day-3) BALB/c mouse splenocytes were surface stained with CoraLite® Plus 647-Conjugated Anti-Mouse CD3 (CL647-65077, Clone: 17A2) and 5 ul CoraLite® Plus 488 Anti-Mouse CD223 (CL488-65098, Clone: C9B7W). Cells were not fixed.



1X10<sup>6</sup> Con A-stimulated (3 ug/ml Con A, day-3) BALB/c mouse splenocytes were surface stained with CoraLite® Plus 647-Conjugated Anti-Mouse CD3 (CL647-65077, Clone: 17A2) and CoraLite® Plus 488-Rat IgG1 isotype control. Cells were not fixed.