

For Research Use Only

# CoraLite® Plus 555 Anti-Mouse CD223 (C9B7W)



Catalog Number: CL555-65098

## Basic Information

<b>Catalog Number:</b> CL555-65098	<b>GenBank Accession Number:</b> BC120591	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<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> 554 nm / 570 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

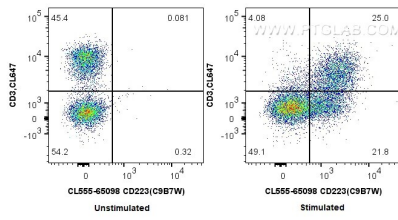
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> unstimulated or anti-CD3/CD28 stimulated (3 days) mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite® Plus 555 Anti-Mouse CD223 (CL555-65098, Clone:C9B7W). Cells were not fixed.