

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse LAG-3/CD223 (C9B7W)



Catalog Number: **CL488-65098**

## Basic Information

Catalog Number:

CL488-65098

Size:

100ug, 500 µg/ml

Source:

Rat

Isotype:

IgG1, kappa

GenBank Accession Number:

BC120591

GeneID (NCBI):

16768

Full Name:

Lymphocyte-activation gene 3

Purification Method:

Affinity purification

CloneNo.:

C9B7W

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## 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:

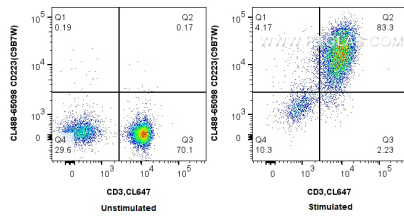
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W: [ptgcn.com](http://ptgcn.com)

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 (2 days) BALB/C mouse splenocytes were surface stained with 0.5 ug CoraLite® Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2) and 0.5 ug CoraLite® Plus 488 Anti-Mouse CD223 (CL488-65098, Clone: C9B7W). Cells were not fixed.