CoraLite®594 Anti-Mouse LAG-3/CD223 (C9B7W)

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number: CL594-65098

Basic Information

Catalog Number:
CL594-65098

Size:
100ug , 0.5 mg/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:
588 nm / 604 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℃. Avoid exposure to light. Stable for one year after shipment.
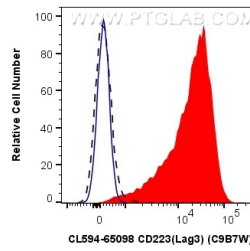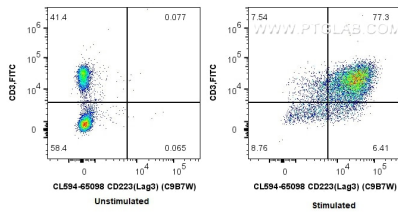**Storage Buffer:**
PBS with 0.09% sodium azide.

Selected Validation Data

1X10^6 unstimulated or anti-CD3/CD28 stimulated (3 days) mouse splenocytes were surface co-stained with FITC Anti-Mouse CD3 and 0.5 ug CoraLite®594 Anti-Mouse CD223 (CL594-65098, Clone: C9B7W). Cells were not fixed.

1X10^6 unstimulated (dashed line) or anti-CD3/CD28 stimulated (3 days) mouse splenocytes were surface stained with 0.5 ug CoraLite®594 Anti-Mouse CD223 (CL594-65098, Clone: C9B7W) (red), or 0.5 ug Isotype Control (blue). Cells were not fixed.