

APC Rabbit anti-Human CD223/LAG-3 mAb

Catalog No.: A28468

Basic Information

Observed MW

Refer to figures

Calculated MW

57 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC77591

Conjugate

APC. Ex:650nm. Em:660nm.

Recommended Dilutions

FC 5 μ l per 10^6 cells in 100 μ l
volume

Background

Lymphocyte Activation Gene 3 (LAG-3, CD223) is an immune checkpoint control protein that negatively regulates T cell function and immune responses. As a CD4-like member of the immunoglobulin superfamily, LAG3 consists of an extracellular Ig-like V domain, three Ig-like C2 domains, a transmembrane domain, and a short cytoplasmic tail. LAG3 is primarily expressed on activated CD4+ T cells, CD8+ T cells, regulatory T cells (Tregs), and NK cells, where it is engaged by MHC class II molecules, its only known ligand. Although initially identified for its ability to modulate Treg activity, LAG3 also exerts inhibitory effects on CD8+ T cells. LAG3 is frequently co-expressed with PD-1 on tumor-infiltrating lymphocytes, where both proteins function independently at the cell surface to promote tumor-mediated immune suppression.

Immunogen Information

Gene ID

3902

Swiss Prot

P18627

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

CD223

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

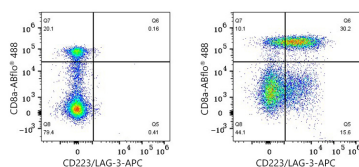
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ Human PBMC (untreated, left) and Human PBMC treated with 2 µg/ml Human T Cell Activation Kit [Anti-CD3/CD28] for 3 days (RK40100, right) were surface-stained with ABflo® 488 Rabbit anti-Human/Monkey CD8a mAb (A23345, 5 µl/Test) and APC Rabbit anti-Human CD223/LAG-3 mAb (A28468, 5 µl/Test, right). Cells in the lymphocyte gate were used for analysis..