

For Research Use Only

FcZero-rAb® APC Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody

Catalog Number: APC-FcA98167



Basic Information

Catalog Number:

APC-FcA98167

Size:

100ug , 200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1220

GenBank Accession Number:

NM_008479.2

GeneID (NCBI):

16768

UNIPROT ID:

Q61790

Full Name:

Lymphocyte-activation gene 3

Calculated MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

241294E11

Recommended Dilutions:

FC: 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : Con A treated mouse splenocytes,

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 and 0.5% BSA, pH7.3

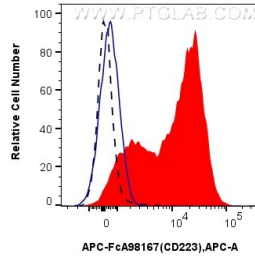
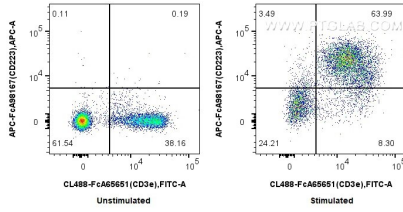
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated (left) or Con A treated (right) mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3ε (145-2C11) and 0.1 ug APC Anti-Mouse LAG-3/CD223 Rabbit RecAb (APC-FcA98167, Clone:241294E11). Cells were not fixed.

1x10⁶ Con A treated mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse LAG-3/CD223 Rabbit RecAb (APC-FcA98167, Clone:241294E11) (red) or FcZero-rAb® APC Rabbit IgG Isotype Control Recombinant Antibody (APC-FcA98136, Clone: 240953C9) (blue). 1x10⁶ mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse LAG-3/CD223 Rabbit RecAb (APC-FcA98167, Clone:241294E11) (black,dashed). Cells were not fixed.

