

For Research Use Only

FcZero-rAb® CoraLite® Plus 647 Anti-Human CRTAM/CD355 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98157



Basic Information

Catalog Number:

CL647-FcA98157

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1541

GenBank Accession Number:

NM_019604.4

GeneID (NCBI):

56253

UNIPROT ID:

O95727-1

Full Name:

cytotoxic and regulatory T cell molecule

Calculated MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

241280B12

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : PMA and ionomycin treated human PBMCs,

Background Information

Cytotoxic and regulatory T cell molecule (CRTAM, also known as CD355) is an immunoglobulin-superfamily transmembrane protein with V and C1-like Ig domains, which is involved in epithelial cell adhesion (PMID: 18329370; 20556794). CRTAM is critical to instruct the differentiation of CD4⁺ cytotoxic T cells (CTL) through the induction of eomesodermin and CTL-related genes (PMID: 26694968). It also regulates CD8⁺ T cell retention within the lymph node and eventually effector function (PMID: 19752223).

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

For technical support and original validation data for this product please contact:

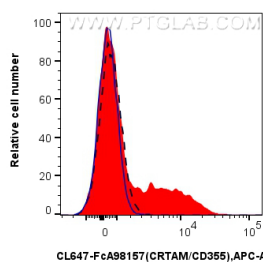
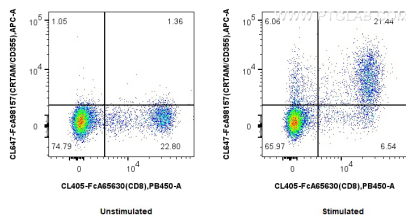
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



1x10⁶ untreated or PMA and ionomycin treated human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 405 Anti-Human CD8 and 5 ul CoraLite® Plus 647 Anti-Human CRTAM/CD355 Rabbit RecAb (CL647-FcA98157, Clone: 241280B12). Cells were not fixed.

1x10⁶ PMA and ionomycin treated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CRTAM/CD355 Rabbit RecAb (CL647-FcA98157, Clone: 241280B12) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CRTAM/CD355 Rabbit RecAb

