

For Research Use Only



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

Catalog Number: **CL647-98157**

Basic Information

Catalog Number: CL647-98157	GenBank Accession Number: NM_019604.4	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 56253	CloneNo.: 241280B12
Source: Rabbit	UNIPROT ID: O95727-1	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: cytotoxic and regulatory T cell molecule	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG1541	Calculated MW: 45 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : PMA and ionomycin treated human PBMCs,
Species Specificity: human	

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:

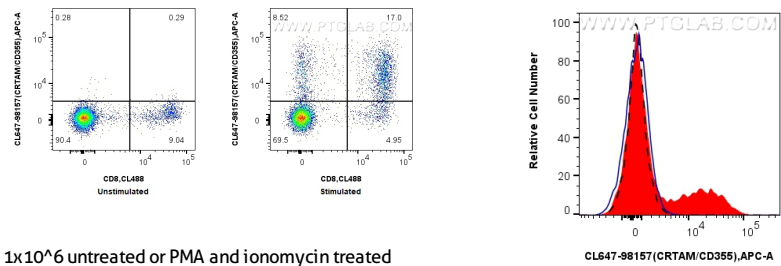
T: 4006900926

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 CoraLite® Plus 488 Anti-Human CD8 and 5 ul CoraLite® Plus 647 Anti-Human CRTAM/CD355 Rabbit RecAb (CL647-98157, 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 (CL647-98157, Clone: 241280B12) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CRTAM/CD355 Rabbit RecAb (CL647-98157, Clone: 241280B12) (black, dashed). Cells were