

For Research Use Only

Anti-Human CRTAM/CD355 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98157-1-PBS



Basic Information

Catalog Number:

98157-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

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

Applications

Tested Applications:

FC

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

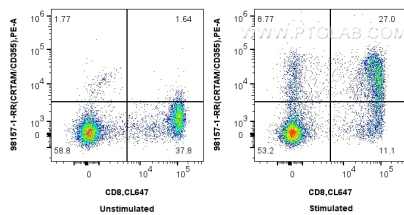
T: 4006900926

E: Proteintech-CN@ptglab.com

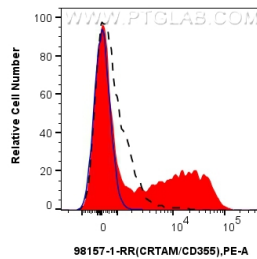
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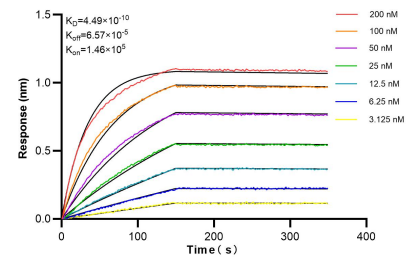
Selected Validation Data



1x10⁶ untreated or PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Anti-Human CRTAM/CD355 Rabbit Recombinant Antibody (98157-1-RR, Clone: 241280B12) and PE-conjugated Goat Anti-Rabbit IgG. Cells were co-stained with CoraLite® Plus 647 Anti-Human CD8. Cells were not fixed. This data was developed using the same antibody clone with 98157-1-PBS in a different storage buffer formulation.



1x10⁶ PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Anti-Human CRTAM/CD355 Rabbit Recombinant Antibody (98157-1-RR, Clone: 241280B12) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-conjugated Goat Anti-Rabbit IgG. 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Anti-Human CRTAM/CD355 Rabbit Recombinant Antibody (98157-1-RR, Clone: 241280B12) and



Bioluminescence resonance energy transfer (BRET) kinetic assays of 98157-1-RR against Human CRTAM/CD355 were performed. The affinity constant is 0.449 nM.