

For Research Use Only

Anti-Human TCR V γ 5V δ 1 Rabbit Recombinant Antibody

Catalog Number: 98527-1-RR



Basic Information

Catalog Number:

98527-1-RR

Size:

100ug , 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein A purification

CloneNo.:

251677A1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

TCR V γ 5V δ 1 refers to a specific type of T cell receptor (TCR) found on $\gamma\delta$ T cells. These cells are a distinct subset of T lymphocytes that play a role in immune responses, particularly in maintaining tissue integrity and responding to stress signals. The V γ 5V δ 1 TCR is uniquely expressed on a population of T cells called dendritic epidermal T cells (DETCs) that reside in the epidermis (PMID: 35260830, 35031803). The V γ 5V δ 1 TCR-CD3 complex forms an asymmetric dimer, with the V γ 5 domains of each protomer interacting to create a back-to-back structure. This dimeric form is essential for T cell activation (PMID: 38657677).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

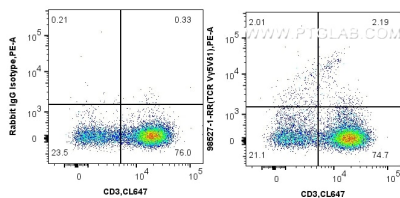
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

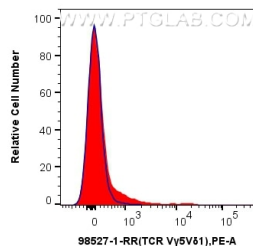
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-TCR Vγ 5Vδ1 Rabbit RecAb (98527-1-RR, Clone:251677A1), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-TCR Vγ 5Vδ1 Rabbit RecAb (98527-1-RR, Clone:251677A1)(red), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. Lymphocytes were gated.