

For Research Use Only

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

Catalog Number: 98527-1-PBS



Basic Information

Catalog Number:

98527-1-PBS

Size:

1mg, 3 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein A purification

CloneNo.:

251677A1

Applications

Tested Applications:

FC

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only, pH7.3

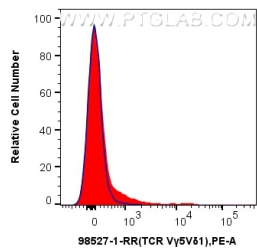
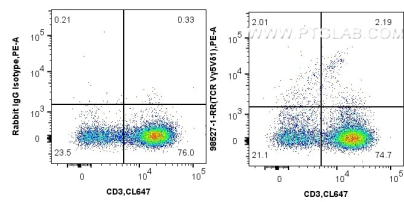
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 98527-1-PBS in a different storage buffer formulation.

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. This data was developed using the same antibody clone with 98527-1-PBS in a different storage buffer formulation.