

For Research Use Only

Biotin Anti-Human TCR V γ 9V δ 2 Rabbit Recombinant Antibody

Catalog Number: Biotin-98526



Basic Information

Catalog Number:

Biotin-98526

Size:

100ug , 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Purification Method:

Protein A purification

CloneNo.:

251678A1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 μ l suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

TCR V γ 9V δ 2 refers to a specific type of T cell receptor (TCR) found on a subset of gamma delta ($\gamma\delta$) T cells called V γ 9V δ 2 T cells. These cells are a major population of human $\gamma\delta$ T cells in the blood and are characterized by the expression of a unique TCR that recognizes phosphoantigens (pAg). V γ 9V δ 2 T cell activation is tightly regulated by a variety of activating or inhibitory receptors which are specific for constitutively expressed or stress-modulated ligands (PMID: 20447835, 40040716). The most effective TCR V γ 9V δ 2-mediated cell activation relies on TCR interaction with BTN3A1, BTN3A2, and BTN2A1 molecules expressed by target cells (PMID: 25566259).

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, pH7.3

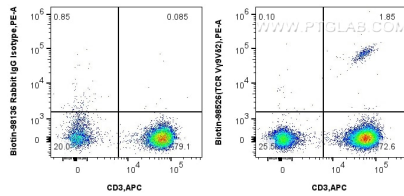
For technical support and original validation data for this product please contact:

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

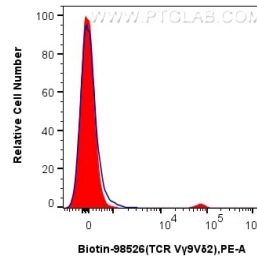
E: proteintech@ptglab.com
W: ptglab.com

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 Biotin Anti-Human TCR Vγ9Vδ2 Rabbit RecAb (Biotin-98526, Clone:251678A1) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9) and Streptavidin-PE Conjugate (PE-PF00030). Cells were then stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human TCR Vγ9Vδ2 Rabbit RecAb (Biotin-98526, Clone: 251678A1) (red) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.