

For Research Use Only

# PE Anti-Human TIGIT Rabbit Recombinant Antibody

Catalog Number: PE-98023-2



## Basic Information

<b>Catalog Number:</b> PE-98023-2	<b>GenBank Accession Number:</b> NM_173799.4	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100 tests, 5 ul/test	<b>GeneID (NCBI):</b> 201633	<b>CloneNo.:</b> 240423C7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q495A1-1	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> T cell immunoreceptor with Ig and ITIM domains	
	<b>Calculated MW:</b> 26 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human

## Background Information

TIGIT (T-cell immunoreceptor with Ig and ITIM domains), also known as VSIG9 or VSTM3, is an immune receptor expressed on T cells, including Treg and memory subsets, as well as on NK cells (PMID: 19011627). It contains an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM). TIGIT binds to poliovirus receptor (PVR, also called CD155) with high affinity, and also to PVRL2 (CD112) with lower affinity. The interaction of TIGIT with PVR on dendritic cells increases the secretion of IL-10 and decreases the secretion of proinflammatory cytokine and suppresses T-cell activation by promoting the generation of mature immunoregulatory dendritic cells. TIGIT can inhibit NK cytotoxicity directly through its ITIM (PMID: 19815499).

## 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.

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

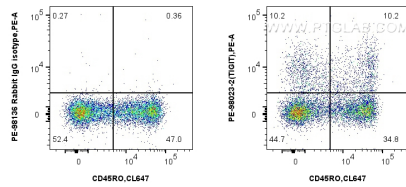
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

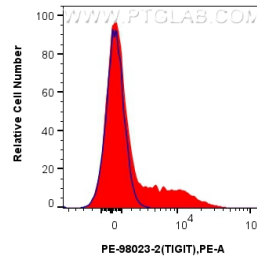
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD45RO (UCHL1) (CL647-65150, Clone: UCHL1) and 5 ul PE Anti-Human TIGIT Rabbit Recombinant Antibody (PE-98023-2, Clone:240423C7) or PE Rabbit IgG Isotype Control Recombinant Antibody (PE-98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul PE Anti-Human TIGIT Rabbit Recombinant Antibody (PE-98023-2, Clone:240423C7) (red) or PE Rabbit IgG Isotype Control Recombinant Antibody (PE-98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.