

For Research Use Only

# Anti-Mouse TIGIT Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98026-1-PBS



## Basic Information

<b>Catalog Number:</b> 98026-1-PBS	<b>GenBank Accession Number:</b> NP_001139797.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg, 2 mg/ml	<b>GeneID (NCBI):</b> 100043314	<b>CloneNo.:</b> 240242G1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> A0A0B4J1G6	
<b>Isotype:</b> IgG	<b>Full Name:</b> T cell immunoreceptor with Ig and ITIM domains	
	<b>Calculated MW:</b> 26kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
mouse

## 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 -80°C.

**Storage Buffer:**  
PBS Only

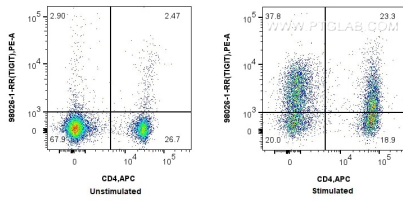
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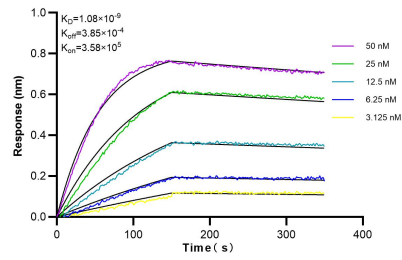
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## Selected Validation Data



$1 \times 10^6$  untreated or CD3/CD28 treated mouse splenocytes were surface stained with Coralite® Plus 647 Anti-Mouse CD4 and 0.25  $\mu$ g Anti-Mouse TIGIT Rabbit Recombinant Antibody (98026-1-RR, Clone:240242G1) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG (H+L). Cells were not fixed. This data was developed using the same antibody clone with 98026-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98026-1-RR against Mouse TIGIT were performed. The affinity constant is 1.08 nM.