

CoraLite® Plus 488 Anti-Mouse TIGIT Rabbit Recombinant Antibody

Catalog Number: **CL488-98026**

Basic Information

Catalog Number:

CL488-98026

Size:

100ug , 500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NP_001139797.1

GeneID (NCBI):

100043314

UNIPROT ID:

A0A0B4J1G6

Full Name:

T cell immunoreceptor with Ig and ITIM domains

Calculated MW:

26kDa

Purification Method:

Protein A purification

CloneNo.:

240242G1

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

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 2-8°C. Avoid exposure to light.

Storage Buffer:

PBS with 0.09% sodium azide.

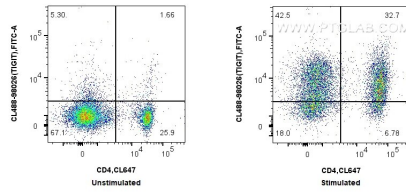
For technical support and original validation data for this product please contact:

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

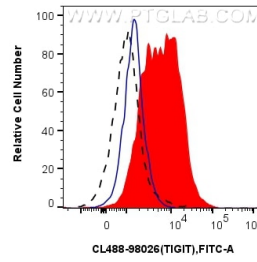
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD4 and 0.25 ug CoraLite® Plus 488 Anti-Mouse TIGIT Rabbit Recombinant Antibody (CL488-98026, Clone:240242G1). Cells were not fixed.



1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse TIGIT Rabbit Recombinant Antibody (CL488-98026, Clone: 240242G1) (red) or Isotype Control (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25ug CoraLite® Plus 488 Anti-Mouse TIGIT Rabbit Recombinant Antibody (CL488-98026, Clone: 240242G1) (black, dash). Cells were not fixed.