

For Research Use Only

FcZero-rAb® CoraLite® Plus 594 Anti-Mouse TIGIT Rabbit Recombinant Antibody

Catalog Number: CL594-FcA98285



Basic Information

Catalog Number: CL594-FcA98285	GenBank Accession Number: NP_001139797.1	Purification Method: Protein A purification
Size: 100ug , 500 ug/ml	GeneID (NCBI): 100043314	CloneNo.: 242242F11
Source: Rabbit	UNIPROT ID: A0A0B4J1G6	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: T cell immunoreceptor with Ig and ITIM domains	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
	Calculated MW: 26kDa	

Applications

Tested Applications: FC	Positive Controls: FC : anti-CD3/CD28 treated mouse splenocytes,
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).

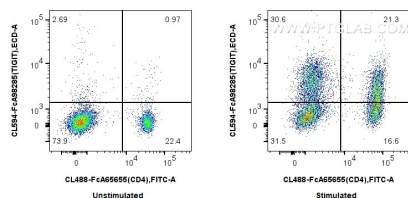
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

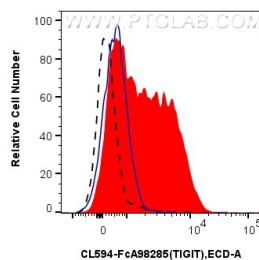
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech 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 FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD4 and 0.25 ug CoraLite® Plus 594 Anti-Mouse TIGIT Rabbit RecAb (CL594-FcA98285, Clone: 242242F11). Cells were not fixed.



1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 594 Anti-Mouse TIGIT Rabbit RecAb (CL594-FcA98285, Clone: 242242F11) (red) or FcZero-rAb® CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 594 Anti-Mouse TIGIT Rabbit RecAb (CL594-FcA98285, Clone:

