

For Research Use Only

CoraLite®532-conjugated TIGIT Recombinant antibody

Catalog Number: CL532-83545



Basic Information

Catalog Number: CL532-83545	GenBank Accession Number: NM_173799.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 201633	CloneNo.: 240423D3
Source: Rabbit	UNIPROT ID: Q495A1-1	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG	Full Name: T cell immunoreceptor with Ig and ITIM domains	Excitation/Emission maxima wavelengths: 537 nm / 560 nm
	Calculated MW: 26 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse spleen tissue,
Species Specificity: human, mouse, rat	

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).

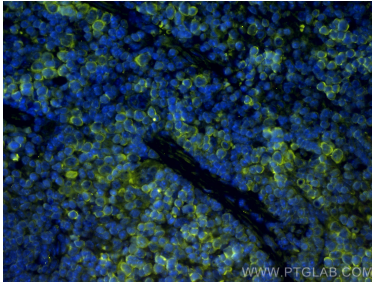
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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)
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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



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CoraLite®532 TiGt antibody (CL532-83545, Clone: 240423D3) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).