

For Research Use Only

CoraLite®532-conjugated TIGIT Recombinant antibody

Catalog Number: CL532-83545



Basic Information

Catalog Number:

CL532-83545

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_173799.4

GeneID (NCBI):

201633

UNIPROT ID:

Q495A1-1

Full Name:

T cell immunoreceptor with Ig and ITIM domains

Calculated MW:

26 kDa

Observed MW:

44 kDa

Purification Method:

Protein A purification

CloneNo.:

240423D3

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

537 nm / 560 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: mouse spleen tissue,

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:

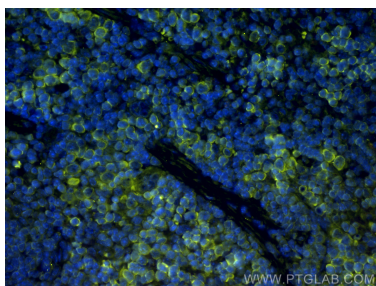
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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