

For Research Use Only

CoraLite® Plus 594 Anti-Human TIGIT Rabbit Recombinant Antibody

Catalog Number: CL594-98023-2



Basic Information

Catalog Number:

CL594-98023-2

Size:

100 tests, 5 ul/test

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

Purification Method:

Protein A purification

CloneNo.:

240423C7

Excitation/Emission maxima wavelengths:

594 nm / 615 nm

Applications

Tested Applications:

FC

Species Specificity:

human

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 and 0.5% BSA.

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

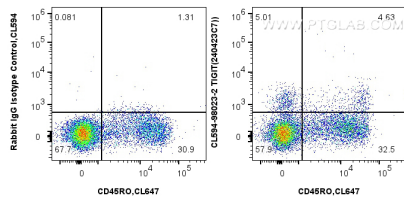
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 594 Anti-Human TIGIT Rabbit Recombinant Antibody (CL594-98023-2, Clone:240423C7) or Isotype control. Cells were co-stained with CoraLite® Plus 647 Anti-Human CD45RO. Cells were not fixed.