

CoraLite®594 Anti-Mouse TIGIT Rabbit Recombinant Antibody

Catalog Number: **CL594-98026**

Basic Information

| | | |
|---------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|
| Catalog Number: CL594-98026 | GenBank Accession Number: NP_001139797.1 | Purification Method: Protein A purification |
| Size: 100ug, 500 µg/ml | GeneID (NCBI): 100043314 | CloneNo.: 240242G1 |
| Source: Rabbit | UNIPROT ID: A0A0B4J1G6 | Excitation/Emission maxima wavelengths: 588 nm / 604 nm |
| Isotype: IgG | Full Name: T cell immunoreceptor with Ig and ITIM domains | |
| | Calculated MW: 26kDa | |

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

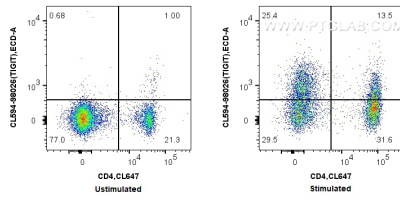
TIGIT (T-cell immunoreceptor with Ig and ITIM domains), also known as VSIG9 or VSTM3, is an immune receptor expressed on T cells, including Treg and memory subsets, as well as on NK cells (PMID: 19011627). It contains an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based 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

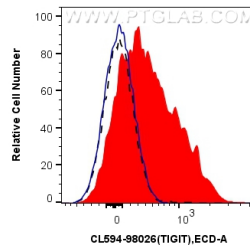
Storage:
Store at 2-8°C. Avoid exposure to light.

Storage Buffer:
PBS with 0.09% sodium azide.

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® 594 Anti-Mouse TIGIT Rabbit Recombinant Antibody (CL594-98026, Clone: 240242G1). Cells were not fixed.



1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® 594 Anti-Mouse TIGIT Rabbit Recombinant Antibody (CL594-98026, Clone: 240242G1) (red), or Isotype Control (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® 594 Anti-Mouse TIGIT Rabbit Recombinant Antibody (CL594-98026, Clone: 240242G1) (black, dashed). Cells were not fixed.