Anti-Human TIGIT-153Eu

Catalog: 3153019B
Clone: MBSA43
Package Size: 100 tests
Isotype: IgG1
Storage: Store product at 4°C. Do not freeze.
Reactivity: Human,

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

T cell Ig and ITIM domain (TIGIT) is a transmembrane glycoprotein belonging to a poliovirus receptor family of type 1 proteins that also binds to CD155 and CD112 ligands. TIGIT is expressed on peripheral memory and regulatory CD4+ T (Treg) cells and NK cells and is upregulated following activation on naive CD4+ T cells. CD155 is a high-affinity receptor for TIGIT expressed on monocytes and CD11c+ human dendritic cells (DCs). TIGIT contains an Ig-like V-type domain and an ITIM in its cytoplasmic domain, suggesting that receptor occupancy may trigger a negative signaling event. Engagement of TIGIT by CD155 on human DCs enhanced the production of IL-10 while diminishing the production of IL-12p40, and a T cell-intrinsic inhibitory effect of TIGIT-dependent T cell signaling pathway was demonstrated in murine models of experimental autoimmune encephalomyelitis (EAE).

References


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