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32-9638: Recombinant Cynomolgus TIGIT/VSIG9/VSTM3 (C-FC)

Alternative Name : T-cell immunoreceptor with Ig and ITIM domains; VSIG9; VSTM3; TIGIT; V-set and transmembrane domain-containing protein 3; V-set and immunoglobulin domain-containing protein 9

Description

Source : Human Cells;
T cell immunoreceptor with Ig and ITIM domains (TIGIT), also called VSIG9 and Vstm3, is a member of the CD28 family within the Ig superfamily of proteins. TIGIT contains an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM), and is expressed on regulatory, memory, activated T cells and NK cells. TIGIT binds to CD155(PVR) that appear on dendritic cells (DC), macrophages and endothelium with high affinity, and CD112(PVRL2) with lower affinity, but not CD113 (PVRL3). TIGIT-Fc fusion protein could interact with PVR on DC and enhance the secretion of IL-10, but inhibit the macrophage activation. Mice lacking TIGIT show increased T cell responses and susceptibility to autoimmune challenges, while knockdown of TIGIT with siRNA in human memory T cells did not affect T cell responses.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS,pH 7.4.

Amino Acid : Recombinant Cynomolgus T cell Immunoreceptor With Ig And ITIM Domains is produced by our Mammalian expression system and the target gene encoding Met89-Pro209 is expressed with a Fc tag at the C-terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.