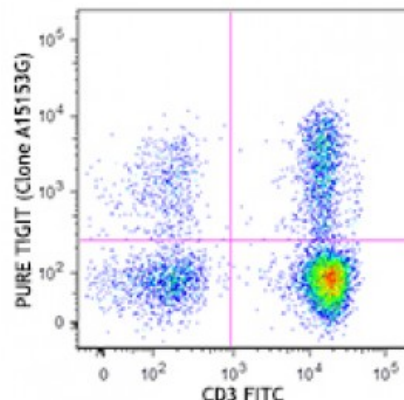


Purified anti-human TIGIT (VSTM3)

Catalog # / Size: 2463510 / 100 µg
Clone: A15153G
Isotype: Mouse IgG2a, κ
Immunogen: Recombinant Human TIGIT.
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5

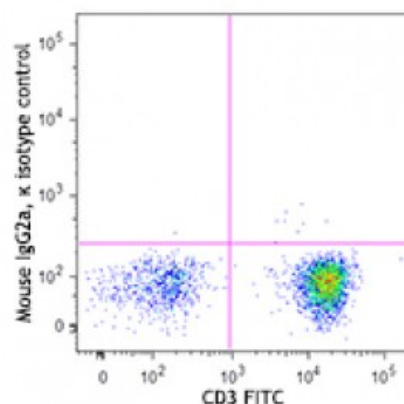


Human peripheral blood leukocytes were stained with CD3 FITC and purified anti-human TIGIT (clone A15153G) (top) or purified mouse IgG2a, κ isotype control (bottom), followed by PE goat anti-mouse IgG. Data shown were gated on lymphocyte population.

Applications:

Applications: Flow Cytometry
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: This clone can suppress anti-CD3 induced T cell proliferation *in vitro*.



Description: T cell immunoreceptor with Ig and ITIM domains (TIGIT), also known as VSTM3 or WUCAM, is a 26 kD, type I transmembrane protein and is a member of the PVR (poliovirus receptor) family of immunoglobulin-like domain containing proteins. TIGIT is expressed on activated T cells, follicular T helper, memory, and regulatory T cells as well as on NK cells. TIGIT is a negative regulator of NK and T cell activation. Expression of TIGIT is associated with decreased functionality of CD8 T cells in chronic viral infection and tumors. TIGIT also promotes the differentiation of tolerogenic phenotype in dendritic cells with an increased secretion of IL-10 and a diminished production of IL-12.

Antigen References:
 1. Stanietzky N, *et al.* 2009. *Proc. Natl. Acad. Sci.* 106:17858.
 2. Yu X, *et al.* 2009. *Nat. Immunol.* 10:48.
 3. Johnston R, *et al.* 2014. *Cancer Cell.* 26:923.