

# Anti-TIGIT, Rabbit IgG, kappa Antibody

CATALOG NO.: A2018-200 (200 µg)

**BACKGROUND DESCRIPTION:** Recombinant monoclonal antibody to TIGIT. T cell immunoreceptor with Ig and ITIM domains (TIGIT), also known as VSTM3, is a type I transmembrane protein, which belongs to the PVR family of immunoglobulin-like domain containing proteins. It is composed of an immunoglobulin variable domain, a transmembrane domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM). TIGIT is expressed on activated T cells, follicular T helper, memory T cells, and regulatory T cells and NK cells. TIGIT binds to CD155 (PVR) with high affinity and it regulates T-cell mediated immunity via the CD226/TIGIT-PVR pathway. TIGIT also serves as a negative regulator of NK and T cell activation.

**ALTERNATE NAMES:** T Cell Immunoreceptor With Ig And ITIM Domains; V-Set And Immunoglobulin Domain Containing Protein 9; V-Set And Transmembrane Domain Containing Protein 3; VSIG9; VSTM3; T Cell Immunoreceptor With Ig And ITIM Domains; Washington University Cell Adhesion Molecule; WUCAM.

**ANTIBODY TYPE:** Monoclonal

**CLONE:** 4D4

**HOST/ISOTYPE:** Recombinant / Rabbit IgG, kappa

**IMMUNOGEN:** Armenian hamsters were immunized with recombinant mouse TIGIT tetramers by a combination of s.c. and food pad immunization and booster injections. Draining lymph nodes were fused with Sp2/0-Ag14 cells, selected in HAT medium and supernatants were screened for specificity by ELISA and FC using TIGIT-transfectants

**PURIFICATION:** Protein A affinity purified

**FORM:** Liquid

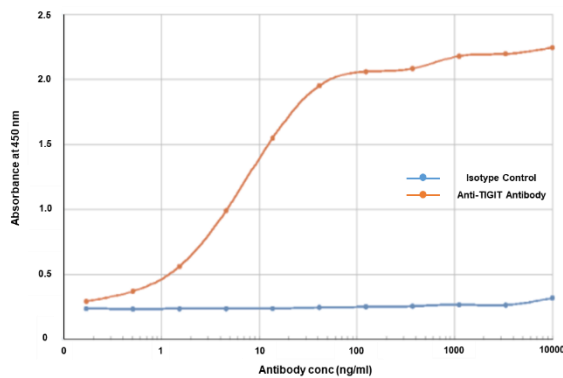
**FORMULATION:** In PBS with 0.02% Proclin 300

**SPECIES REACTIVITY:** Mouse

**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze / thaw cycles

**APPLICATIONS AND USAGE:** Agonist, FC

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user



**ELISA of Anti-TIGIT Antibody on TIGIT-Fc fusion protein.** Binding curves of the rabbit chimeric IgG version of the Anti-TIGIT Antibody (orange line) and isotype control (Anti-Fluorescein; blue line) to an ELISA plate coated with mouse TIGIT-Fc fusion protein at a concentration of 5 µg/ml. A 3-fold serial dilution from 10,000 to 0.17 ng/ml was performed using Anti-TIGIT Antibody. For signal detection, a 1:4000 dilution of HRP-labelled anti-rabbit IgG1 antibody was used. The second increase in absorbance at 1000 ng/ml is suggestive of a possible secondary binding epitope for Anti-TIGIT Antibody on TIGIT-Fc fusion protein.

## RELATED PRODUCTS:

Anti-PD-L1 (Atezolizumab), Humanized Antibody (A1305)  
 Anti-PD-1 (Pembrolizumab), Humanized Antibody (A1306)  
 Anti-PD-1 (Nivolumab), Humanized Antibody (A1307)  
 Anti-CD80 (Galiximab), Human IgG1, lambda Antibody (A2011)

**FOR RESEARCH USE ONLY! Not to be used on humans.**