Anti-TIGIT [4D4] Standard Size Ab00973-22.0

Isotype and Format: Hamster (Armenian) IgG, Kappa
Clone Number: 4D4
Alternative Name(s) of Target: VSIG9; T Cell Immunoreceptor With Ig And ITIM Domains; V-Set And Immunoglobulin Domain Containing Protein 9; V-Set And Transmembrane Domain Containing Protein 3; VSTM3; T Cell Immunoreceptor With Ig And ITIM Domains; Washington University Cell Adhesion Molecule; WUCAM
UniProt Accession Number of Target Protein: P86176
Published Application(s): agonist, FC
Published Species Reactivity: Mouse
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 (hypoxanthine/aminopterin/thymidine) medium and supernatants were screened for specificity by ELISA and flow cytometry using TIGIT-transfectants.
Specificity: 4D4 specifically recognises TIGIT.
Application Notes: 4D4 is an agonistic anti-TIGIT antibody, and addition of plate bound 4D4 to anti-CD3/anti-CD28 stimulated T cells was shown to inhibit their proliferation (Joller 2011). Further, 4D4 has been used in order to identify genes that are downstream of TIGIT signaling in Tregs, as TIGIT engagement might modulate the Treg phenotype in tumor tissue (Liu 2016).
Antibody First Published in: Joller et al. Cutting edge: TIGIT has T cell-intrinsic inhibitory functions. J Immunol. 2011 Feb 1;186(3):1338-42 PMID:21199897
Note on publication: Describes the generation of anti-TIGIT monoclonal antibodies and their use to analyse the function of TIGIT in cells.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

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procedures for humans or animals.