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Datasheet for ABIN7072458

Recombinant anti-TIGIT antibody

1 Image

Overview

Quantity:	200 µg
Target:	TIGIT
Reactivity:	Mouse
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This TIGIT antibody is un-conjugated
Application:	Flow Cytometry (FACS), Agonist (Agon)

Product Details

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.
Clone:	4D4
Isotype:	IgG kappa
Characteristics:	Original Species of Ab: Hamster, Armenian Original Format of Ab: IgG
Purification:	Purified antibody.

Target Details

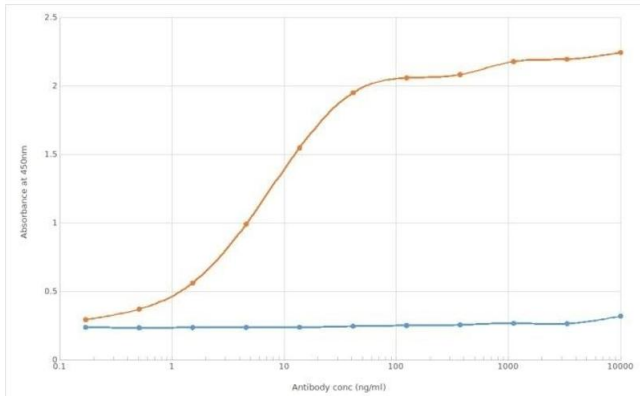
Target:	TIGIT
Alternative Name:	TIGIT (TIGIT Products)
Background:	VSIG9, T Cell Immunoreceptor With Ig And ITIM Domains, V-Set And Immunoglobulin Domain Containing Protein 9, V-Set And Transmembrane Domain Containing Protein 3, VSTM3, T Cell Immunoreceptor With Ig And ITIM Domains, Washington University Cell Adhesion Molecule, WUCAM
UniProt:	P86176
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Hamster format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



ELISA

Image 1. ELISA of anti-TIGIT antibody on TIGIT-Fc fusion protein. Binding curves of the rabbit chimeric IgG version of the anti-TIGIT antibody 4D4 (ABIN7072458, red line) and isotype control (ABIN5668035, anti-Fluorescein, blue line) to an ELISA plate coated with mouse TIGIT-Fc fusion protein (Pr00163-1.9) at a concentration of 5 $\mu\text{g}/\text{mL}$. A 3-fold serial dilution from 10,000 to 0.17 ng/mL was performed using ABIN7072458. For signal detection, a 1:4000 dilution of HRP-labelled anti-rabbit IgG1 (BioRad 5196-2504) antibody was used. The second increase in absorbance at 1000 ng/mL is suggestive of a possible secondary binding epitope for ABIN7072458 on Pr00163-1.9.