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Datasheet for ABIN7092977

anti-TIGIT antibody (AA 22-141)

2 Images

Overview

Quantity:	100 µg
Target:	TIGIT
Binding Specificity:	AA 22-141
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This TIGIT antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human TIGIT(Met22-Pro141) (ABIN6961182) produced by using human HEK293 cells
Clone:	DM178
Isotype:	IgG
Purification:	Powder

Target Details

Target:	TIGIT
Alternative Name:	TIGIT (TIGIT Products)
Background:	Synonyms:TIGIT,VSIG9,VSTM3

Target Details

Description: This gene encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity, this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses.

Molecular Weight: 26.3KDa

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Application Notes: ELISA 1/5000-10000, Flow Cyt 1/100

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization., 0.1 % Procline 300

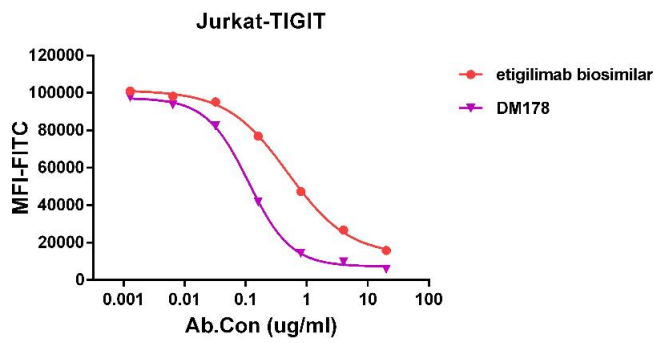
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

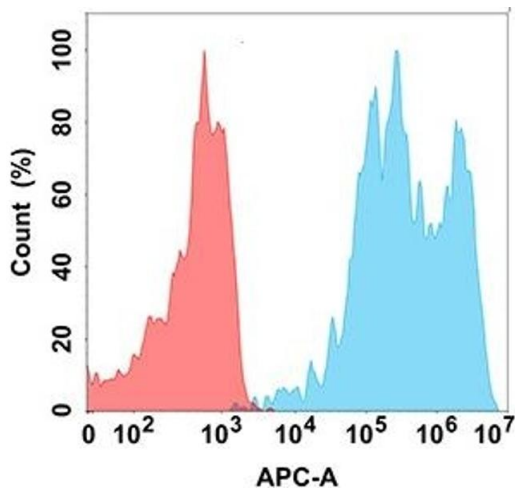
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



Immunocompetition

Image 1. Competition assay demonstrating DM178 blockade of CD155 binding to Jurkat cell line transfected with human TIGIT, and competitive activity is better than etigilimab biosimilar.



Flow Cytometry

Image 2. Flow cytometry analysis with Anti-TIGIT (DM178) on Expi293 cells transfected with human TIGIT (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).