



Mouse Anti-Mouse TIGIT Monoclonal Antibody, clone 1B4 [Functional Grade] (CABT-Z480M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Recombinant murine TIGIT tetramers.
Isotype	IgG1, λ
Source/Host	Mouse
Species Reactivity	Mouse
Clone	1B4
Purification	Protein A purified
Conjugate	Functional Grade
Applications	FC, BL, ELISA
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	PBS only. Endotoxin Level<0.5 EU/mg by the LAL method.
Preservative	None
Storage	Store at -20°C long term. Avoid freeze / thaw cycle. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.
Ship	Wet ice

BACKGROUND

Introduction	TIGIT is a 26 kDa, type I transmembrane protein and a member of the poliovirus receptor (PVR) family. TIGIT has been found to be expressed on follicular T helper cells in mice while in humans it's expressed by many T cell subsets including activated T cells, follicular T helper cells, memory T cells, and regulatory T cells as well as on NK cells. TIGIT can interact with certain members of the PVR and PVR-like families, including PVR, PVRL2, PVRL3, CD155, and CD112. TIGIT is thought to negatively regulate NK and T cell activation. Binding of TIGIT on T cells by dendritic cells results in their differentiation into a tolerogenic phenotype, with increased secretion of IL-10 and diminished production of IL-12. TIGIT knock-out mice are more susceptible to autoimmune disease.
Keywords	TIGIT;T cell immunoreceptor with Ig and ITIM domains;V set and immunoglobulin domain containing 9;V set and transmembrane domain containing 3;VSIG9, VSTM3;T-cell immunoreceptor with Ig and ITIM domains

GENE INFORMATION

Gene Name	Tigit
UniProt ID	P86176