Datasheet for ABIN2662886
anti-TIGIT antibody (PE)

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Overview

Quantity:	100 μg
Target:	TIGIT
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIGIT antibody is conjugated to PE
Application:	ELISA (Capture)

Product Details

Clone:	1G9
Isotype:	IgG1 kappa
Purification:	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Target Details

Target:	TIGIT
Alternative Name:	TIGIT (TIGIT Products)
Background:	T cell immunoreceptor with Ig and ITIM domains (TIGIT), also known as V-set and transmembrane domain-containing protein 3 (Vstm3), is a 26 kD, type I transmembrane protein and member of the CD28 family. TIGIT is expressed on activated T cells, follicular T helper, memory, and regulatory T cells as well as on NK cells. Its ligands are PVR, PVRL2, PVRL3,

Target Details

CD155, and CD112. TIGIT is a negative regulator of NK and T cell activation. Engagement of TIGIT by dendritic cells results in their differentiation into a tolerogenic phenotype, with an increased secretion of IL-10 and a diminished production of IL-12. Mice deficient for TIGIT are more susceptible to autoimmune disease.

Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

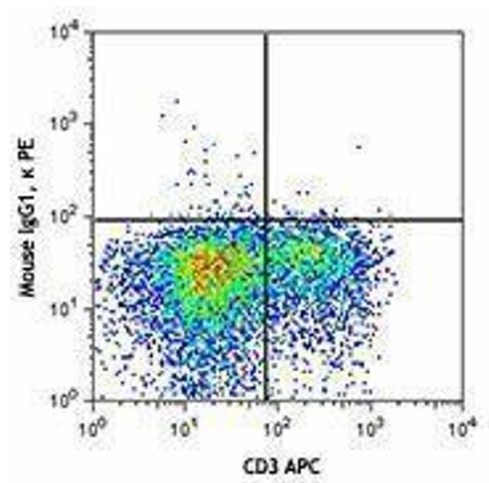|	
Concentration:	0.2 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from prolonged exposure to light. Do not freeze.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.

Images
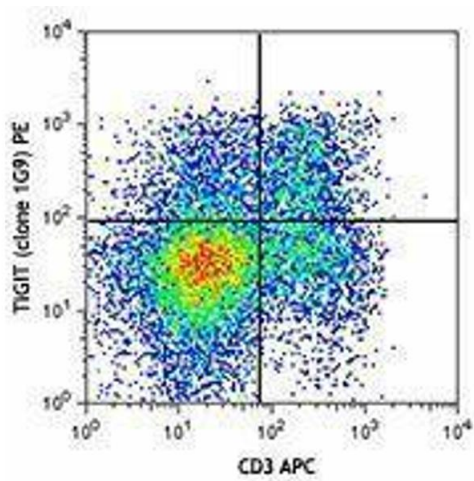
Flow Cytometry

Image 1.

Flow Cytometry

Image 2.