

Datasheet for ABIN2656873
anti-VTCN1 antibody (APC)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	VTCN1
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This VTCN1 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Clone:	HMH4-5G1
Isotype:	IgG
Purification:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Target Details

Target:	VTCN1
Alternative Name:	B7-H4 B7S1 (VTCN1 Products)
Background:	B7-H4 is a newly discovered B7 family member that negatively regulates T cell immunity. In vitro, B7-H4 inhibits CD4+ and CD8+ T cell proliferation, cytokine production, and generation of alloreactive cytotoxic T-cells (CTLs). In vivo, blockage of endogenous B7-H4 by specific monoclonal antibodies promotes T cell responses. A new reported function of B7-H4 is as an

Target Details

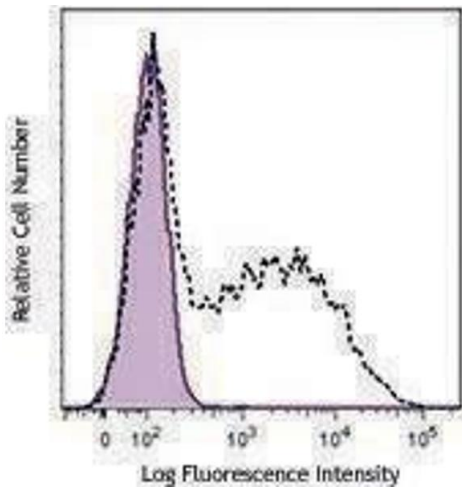
important negative regulator of innate immunity through growth inhibition of neutrophils. It has been reported that B7-H4 is not constitutively expressed on peripheral tissues but can be induced to express on T cells, B cells, macrophages, and dendritic cells. B7-H4 is expressed on some tumor cancer cells. The role of B7-H4 in tumor progression may be to transform precancerous cells and then protect them from immunosurveillance. Although B- and T-lymphocyte attenuator (BTLA) was proposed to be the receptor for B7-H4, further studies are needed to identify the inhibitory receptor of B7-H4.

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



Flow Cytometry

Image 1.