

Datasheet for ABIN2662392  
**anti-VTCN1 antibody (PE)**



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1 Image

## Overview

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

## Product Details

|               |                                                                                                                                                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clone:        | HMH4-5G1                                                                                                                                                                 |
| Isotype:      | IgG                                                                                                                                                                      |
| 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:           | VTCN1                                                                                                                                                                                                                                                                                                                                                                           |
| Alternative Name: | B7-H4 B7S1 ( <a href="#">VTCN1 Products</a> )                                                                                                                                                                                                                                                                                                                                   |
| 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

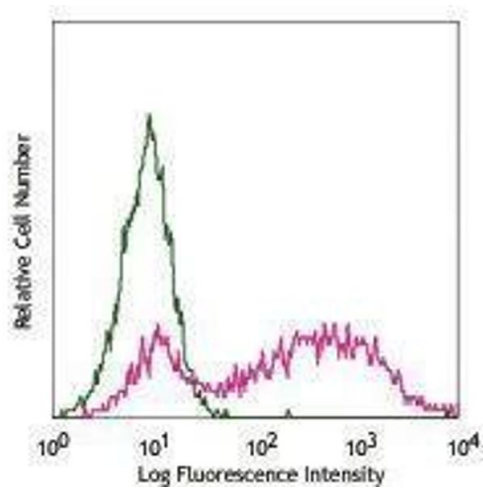
important negative regulator of innate immunity through growth inhibition of neutrophils. It has been reported that B7-H4 is not constitutively expressed on peripheral tissues but can be induced to express on T cells, B cells, macrophages, and dendritic cells. B7-H4 is expressed on some tumor cancer 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.