Datasheet for ABIN7566032

VTCN1 Protein (AA 29-258) (Fc Tag)

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Overview

Quantity:	100 µg
Target:	VTCN1
Protein Characteristics:	AA 29-258
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This VTCN1 protein is labelled with Fc Tag.

Product Details

Purpose:	B7-H4 (human):Fc (mouse) (rec.)
Cross-Reactivity:	Human
Characteristics:	The extracellular domain of human B7-H4 (aa 29-258) is fused to the N-terminus of the Fc region of mouse IgG2a.
Purity:	>95 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<1EU/mg protein (LAL test, Lonza).
Biological Activity Comment:	Measured by the ablility to inhibit anti-CD3-induced proliferation of stimulated human T cells.

Target Details

Target:	VTCN1
Alternative Name:	B7-H4 (VTCN1 Products)
Background:	V-set Domain-containing T Cell Activation Inhibitor 1, VTCN1, B7h.5, Immune Costimulatory Protein B7-H4, T Cell Costimulatory Molecule B7x, Protein B7S1 B7-H4 is a B7 family member that negatively regulates T cell immunity by inhibiting of T cell proliferation, cytokine production and cell cycle progression. In vitro, B7-H4 inhibits CD4+ and CD8+ T cell proliferation, cytokine production and generation of alloreactive cytotoxic T cells (CTLs). In vivo, blockade of endogenous B7-H4 by specific monoclonal antibody promotes T cell responses. B7-H4 ia an important negative regulator of innate immunity through growth inhibition of neutrophils. 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.
Molecular Weight:	~80kDa (monomer)
NCBI Accession:	NP_078902

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from 0.2μm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles.Centrifuge lyophilized vial before opening and reconstitution.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.