

## Datasheet for ABIN6938766 **anti-VTCN1 antibody**



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### Overview

Quantity:	100 µg
Target:	VTCN1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VTCN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

### Product Details

Immunogen:	A recombinant fragment of human B7-H4 protein (exact sequence is proprietary)
Clone:	B7H4-1788
Isotype:	IgG2a kappa
Specificity:	T cell activation and immune function are regulated by the innate immune system through positive and negative costimulatory proteins. One such protein, B7-H4 (B7-homolog 4), belongs to the B7 immunoglobulin superfamily of ligand-lymphocyte interacting proteins. Expressed primarily on the membrane of lymphoid cells, B7-H4 is an immuno-inhibitory protein that interacts with receptors on the surface of T lymphocytes, thus mediating cellular and humoral immune responses. Overexpression of the B7-H4 protein is associated with certain malignancies, including ovarian and breast cancer, as its interaction with T cells suppresses tumor-associated immunity. Current research suggests that, similar to Mucin 16 (CA-125), B7-H4 may be a useful biomarker for the early detection of ovarian cancer.

## Product Details

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Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

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Target:	VTCN1
Alternative Name:	VTCN1 ( <a href="#">VTCN1 Products</a> )
Background:	B7 family member, H4, B7 homolog 4, B7 superfamily member 1, B7-H4, B7S1, Immune costimulatory protein B7-H4, T-cell costimulatory molecule B7x, V-set domain-containing T-cell activation inhibitor 1, VCTN1,B7-H4 (Immuno-Inhibitory Protein) Cellular localisation: Cell Surface and Cytoplasmic
Molecular Weight:	35kDa
Gene ID:	79679, 546434
UniProt:	<a href="#">Q7Z7D3</a>

## Application Details

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Application Notes:	Known_Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Flow Cytometry (1-2 µg/million cells in 0.1ml), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: HeLa, SKBr-3 or MCF-7 cells. Human ovary, pancreas, placenta or spleen.
Restrictions:	For Research Use only

## Handling

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Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

## Handling

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Expiry Date: 24 months