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# anti-VTCN1 antibody



**Images** 



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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, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Coating (Coat), Staining Methods (StM)

### **Product Details**

Immunogen:	A recombinant fragment of human B7-H4 protein (exact sequence is proprietary)
Clone:	B7H4-1788
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

# **Target Details**

Target:	VTCN1
Alternative Name:	VTCN1 (VTCN1 Products)
Background:	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.	

Molecular Weight:	35kDa	
Gene ID:	79679	
UniProt:	Q7Z7D3	

# **Application Details**

Application Notes:	Positive Control: HCT116, HeLa, SKBr-3, MCF-7 cells. Ovary, Pancreas, Placenta or Spleen.
	Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Flow

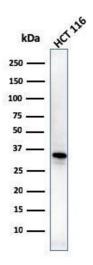
Cytometry (1-2  $\mu$ g/million cells in 0.1ml), ,Immunofluorescence (1-2  $\mu$ g/mL), Western Blot (1-2  $\mu$ g/mL),Immunohistochemistry (Formalin-fixed) (1-2  $\mu$ g/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific

application should be determined.

Restrictions: For Research Use only

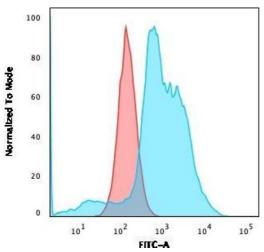
# Handling

Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



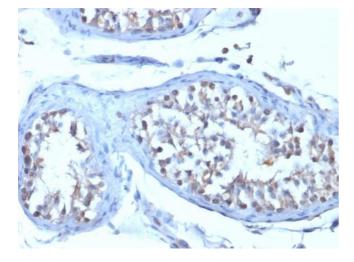
### **Western Blotting**

**Image 1.** Western Blot of HCT116 cell lysates using B7-H4 Mouse Monoclonal Antibody (B7H4/1788).



### **Flow Cytometry**

**Image 2.** Flow Cytometric Analysis of SKBR-3 cells using B7-H4 Mouse Monoclonal Antibody (B7H4/1788) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



# **Immunohistochemistry**

**Image 3.** Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with B7-H4 Mouse Monoclonal Antibody (B7H4/1788).

Please check the product details page for more images. Overall 5 images are available for ABIN6940936.