

Datasheet for ABIN7661774
anti-VTCN1 antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	VTCN1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VTCN1 antibody is conjugated to CF®647
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	B7-H4 (Immuno-Inhibitory Protein)(B7H4/1788), CF647 conjugate
Immunogen:	A recombinant fragment of human B7-H4 protein
Clone:	B7H4-1788
Isotype:	IgG2a, kappa
Characteristics:	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

Product Details

Mucin 16 (CA-125), B7-H4 may be a useful biomarker for the early detection of ovarian cancer. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	VTCN1
Alternative Name:	B7-H4
Background:	Synonyms: B7-H4, B7H4, B7X, B7 family member, H4, B7 homolog 4, B7 superfamily member 1, B7S1, B7 family member H4 Gene Symbol: VTCN1
Molecular Weight:	35 kDa
Gene ID:	79679
UniProt:	Q7Z7D3

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Positive Control: HCT116, HeLa, SKBr-3, MCF-7 cells. Ovary, Pancreas, Placenta or Spleen.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % 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.
Handling Advice:	Protect from light

Handling

Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months