

Datasheet for ABIN7661775

Recombinant anti-VTCN1 antibody (CF®647)



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Overview

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

Product Details

Purpose:	B7-H4 (Immuno-Inhibitory Protein) (B7H4/2652R), CF647 conjugate
Immunogen:	Recombinant human B7-H4 protein fragment
Clone:	B7H4-2652R
Isotype:	IgG
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:	Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. ELISA: 2-4 µg/m for coating order Ab without BSA. Immunohistology (formalin): 1-2 µg/mL for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined by user
Comment:	Positive Control: HeLa or 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

Handling

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
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