

**Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4)  
Recombinant Antibody  
Catalog # APR10133****Specification**

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**Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4) - Product Information**

Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">Q7Z7D3</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

**Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4) - Additional Information****Target/Specificity**

B7-H4 / VTCN1

**Endotoxin**

&lt; 0.001EU/ µg,determined by LAL method.

**Conjugation**

Unconjugated

**Expression system**

CHO Cell

**Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

**Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4) - Protein Information****Name** VTCN1 {ECO:0000312|EMBL:EAW56672.1}**Function**

Negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. When expressed on the cell surface of tumor macrophages, plays an important role, together with regulatory T- cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. Involved in promoting epithelial cell transformation.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Note=Expressed at the cell surface. A soluble form has also been detected. {ECO:0000255, ECO:0000269|PubMed:12818165,

ECO:0000269|PubMed:15878339, ECO:0000269|PubMed:16782226}

#### Tissue Location

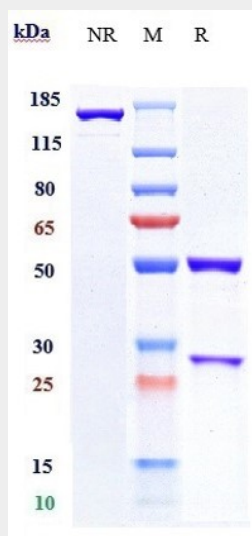
Overexpressed in breast, ovarian, endometrial, renal cell (RCC) and non-small-cell lung cancers (NSCLC). Expressed on activated T- and B-cells, monocytes and dendritic cells, but not expressed in most normal tissues (at protein level). Widely expressed, including in kidney, liver, lung, ovary, placenta, spleen and testis

#### Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4) - Protocols

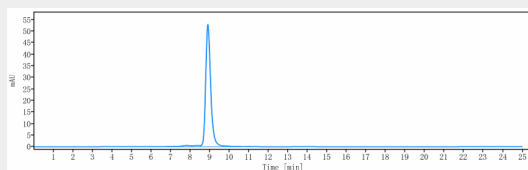
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

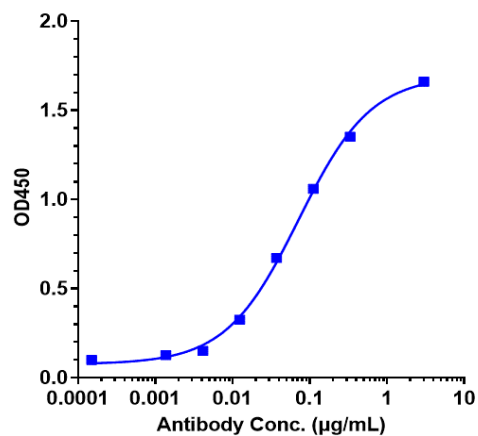
#### Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4) - Images



Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4) is more than 95%, determined by SEC-HPLC.



Immobilized human B7 H4 at 2 µg/mL can bind Anti-B7-H4 / VTCN1 Reference Antibody (Millennium patent anti-B7-H4) □EC50=0.07145 µg/mL