

# Product Information

## Recombinant Anti-Human vtcn1 Antibody Fab Fragment

Cat. No.: **MOM-18285-F(P)**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody Fab Fragment is specific to Human VTCN1, expressed in E. coli

### Antigen Description

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.

### Specific Activity

Tested positive against native antigen.

### Target

VTCN1

### Immunogen

Human B7H4

### Source

Mouse

### Species Reactivity

Human

### Type

Fab

### Expression Host

E. coli

### Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

### Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

## ANTIGEN GENE INFORMATION

### Gene Name

**Official Symbol**

VTCN1

**Synonyms**

VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain-containing T-cell activation inhibitor 1; B7 family member; H4; B7 superfamily member 1; B7 H4; B7H4; B7S1; B7X; FLJ22418; B7 family member, H4; T cell costimulatory molecule B7x; T-cell costimulatory molecule B7x; immune costimulatory protein B7-H4; B7-H4; B7h.5; VCTN1; PRO1291; RP11-229A19.4

**Gene ID**

[79679](#)

**mRNA Refseq**

[NM\\_001253849](#)

**Protein Refseq**

[NP\\_001240778](#)

**MIM**

[608162](#)

**UniProt ID**

Q7Z7D3

**Chromosome Location**

1p12

**Function**

receptor binding;