

B7-H4 /VTCN1, Mouse recombinant

CATALOG NO:	P1107-10 P1107-50	10 µg 50 µg
ALTERNATE NAMES:	V-set Domain-containing T Cell Activation Inhibitor 1, VTCN1, B7h.5, Immune Costimulatory Protein B7-H4, T Cell Costimulatory Molecule B7x, Protein B7S1	
SOURCE:	CHO cells	
PURITY:	≥ 98% by SDS – PAGE	
SEQUENCE:	The extracellular domain of mouse B7-H4 (aa 29-258) is fused to the N-terminus of the Fc region of mouse IgG2a.	
ENDOTOXIN LEVEL:	< 0.06 EU/µg protein by LAL method	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.2 µm-filtered solution in PBS	
STORAGE CONDITIONS:	For short term store at +4°C (1-2 weeks). For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Reconstitute with 100 µl sterile water. Add 1X PBS to the desired protein concentration.	
DESCRIPTION:	B7-H4 is a B7 family member that negatively regulates T cell immunity by inhibiting T cell proliferation, cytokine production and cell cycle progression. In vitro, B7-H4 inhibits CD4+ and CD8+ T cell proliferation, cytokine production and generation of alloreactive cytotoxic T cells (CTLs). In vivo, blockade of endogenous B7-H4 by specific monoclonal antibody promotes T cell responses. B7-H4 is an important negative regulator of innate immunity through growth inhibition of neutrophils. B7-H4 is expressed on some tumor cancer cells. The role of B7-H4 in tumor progression may be to transform precancerous cells and then protect them from immunosurveillance.	
BIOLOGICAL ACTIVITY:	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated mouse T cells	

RELATED PRODUCTS:

- Human CellExp™ VTCN1, human recombinant (**Cat. No. 7412-10, -50**)
- Human Cellexp Human Recombinant IL-2 (**Cat. No. 6461-10, -50**)
- Human CellExp™ CD223, human recombinant (**Cat. No. 7278-10, -50**)
- Human CellExp™ CD71, human recombinant (**Cat. No. 7279-10, -50**)
- Human CellExp™ CD273, human recombinant (**Cat. No. 7369-10, -50**)
- Human CellExp™ CD33, human recombinant (**Cat. No. 7370-10, -50**)
- Human CellExp™ CD36, human recombinant (**Cat. No. 7371-10, -50**)
- Human CellExp™ CD87, human recombinant (**Cat. No. 7372-20, -100**)
- Human CellExp™ CD360, human recombinant (**Cat. No. 7373-20, -100**)
- Human CellExp™ CD244, human recombinant (**Cat. No. 7374-10, -50**)
- Human CellExp™ CD304, human recombinant (**Cat. No. 7375-10**)
- Human CellExp™ CD319, human recombinant (**Cat. No. 7376-10, -50**)
- Human CellExp™ CD306, human recombinant (**Cat. No. 7377-10, -50**)
- Human CellExp™ CD84, human recombinant (**Cat. No. 7378-10, -50**)

FOR RESEARCH USE ONLY! Not to be used on humans.