

Vtcn1

Recombinant Mouse B7H4:Fc Chimera

Catalog No.	CRM034	Quantity:	100 µg
Alternate Names:	B7h4, B7s1, B7x,		
Description:	<p>B7-H4 is a B7 family member that negatively regulates T cell immunity by inhibiting of 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.</p> <p>The extracellular domain of mouse B7-H4 (aa 29-258) is fused to the N-terminus of the Fc region of mouse IgG2a.</p>		
Gene ID:	242122		
Protein Accession No:	NP_848709.2		
Source:	CHO cells		
Formulation:	Lyophilized from a 0.2 µm filtered solution containing PBS.		
Purity:	≥98% (SDS-PAGE)		
Endotoxin Level:	<0.06 EU/µg purified protein as determined by LAL test (Lonza).		
Biological Activity:	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated mouse T cells.		
Reconstitution:	Reconstitute with 100 µl (1 mg/ml) sterile water. Add 1X PBS to the desired protein concentration.		
Storage & Stability:	Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 1 year after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. Stable for up to 3 month at -20°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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