9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

37-1252: Human B7-H4 / B7S1 / B7x Recombinant Protein (Fc Tag)(Discontinued)

Reactivity :	Human
Alternative Name :	B7-H4 Protein, B7h.5 Protein, B7H4 Protein, B7S1 Protein, B7X Protein, PRO1291 Protein, VCTN1 Protein,

Description

Source : HEK293 Cells
V-set domain-containing T-cell activation inhibitor 1, also known as B7X, B7H4, B7S1, and VTCN1, is a single-pass type membrane protein belonging to the B7 family of costimulatory proteins. These proteins are expressed on the surface of antigen-presenting cells and interact with ligands on T lymphocytes. They provide costimulatory signals that regulate T cell responses. A soluble form of B7H4 has also been detected. B7X / VTCN1 / B7H4 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, B7X / VTCN1 / B7H4 plays an important role, together with regulatory T-cells(Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. B7X / VTCN1 / B7H4 is also involved in promoting epithelial cell transformation. This membrane protein can be up-regulated by IL6 / interleukin-6 and IL1 / interleukin-1 and inhibited by CSF2 / GM-CSF and IL4 / interleukin-4 on antigen-presenting cells. Cancer Immunotherapy Co-inhibitory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: IHC Antibodies Immune Checkpoint Proteins Immune Checkpoint Targets Immunotherapy Targeted Therapy

Product Info

Amount :	H4 / B7S1 / B7x Recombinant Protein (Fc Tag)(Discontinued) / 100 µg
Purification :	> 95 % as determined by SDS-PAGE
Content :	Formulation Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Phe29-Ala258

Application Note

Measured by its ability to inhibit IL-2 secretion in human T lymphocytes induced by anti-CD3 antibody and anti-CD28 antibody. The ED50 for this effect is 0.7-3.5 ÃÂµg/mL.Endotoxin :< 1.0 EU per ÃÂµg of the protein as determined by the LAL method

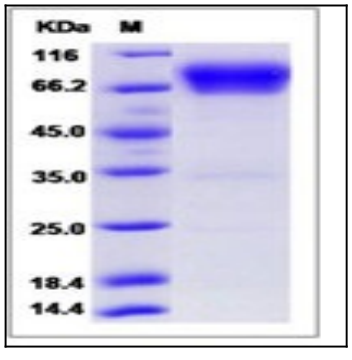

Fig 1: Human B7-H4 / B7S1 / B7x Recombinant Protein (Fc Tag)

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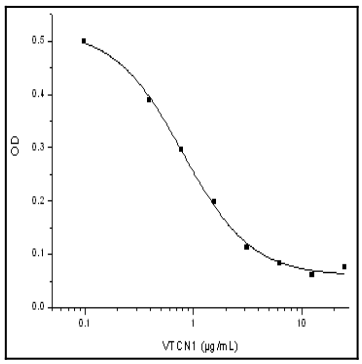

Fig 2: Human B7-H4 Recombinant Protein mesured by functional ELISA