

Recombinant B7-H4 Monoclonal Antibody

catalog number: AN301876L

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

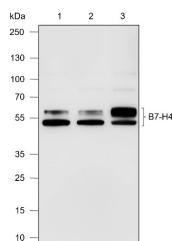
Reactivity	Human
Immunogen	Recombinant human B7-H4 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C331498
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot with B7-H4 Monoclonal Antibody at dilution of 1:2000. Lane 1: HT-29, Lane 2: HeLa, Lane 3: T47D

Observed-MW: 45, 65 kDa

Calculated-MW: 20, 31 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

B7 homolog 4 (B7-H4), also known as VTCN1, is a member of the B7 family of cell surface ligands that regulate T cell activation and immune responses. B7-H4 protein contains two extracellular Ig-like V-type domains, a transmembrane domain, and a short, two amino acid intracellular domain. The B7-H4 protein is shown to inhibit T cell activation, proliferation, and cytokine production. Although B7-H4 mRNA is widely expressed, B7-H4 protein is restricted to antigen presenting cells and B cells. The B7-H4 protein is also found in several tumor types, including ovarian cancer and breast cancer. Research studies indicate that B7-H4 protein is present on the surface of ovarian tumor cells, and that targeted inhibition of B7-H4 using recombinant antibodies restores T cell activation pathways. These studies suggest some potential therapeutic value in blocking B7-H4 function and restoring T cell function in

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