

## **PRODUCT INFORMATION**

B7-2 **Target** 

**Synonyms** CD86;ETC-1

Recombinant mouse B7-2 protein with C-terminal **Description** 

human Fc tag

**Delivery** In Stock **Uniprot ID** P42082 **Expression Host HEK293** 

Tag C-Human Fc Tag

Molecular

**Background** 

Mouse B7-2(Val24-Glu245) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 51.4 kDa after removal of the signal peptide. The apparent molecular mass of mB7-2-hFc is **Molecular Weight** 

approximately 55-70 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a type I membrane protein that is a member of the immunoglobulin

superfamily. This protein is expressed by antigenpresenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28

antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic Tlymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different

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isoforms.

**Usage** Research use only

Conjugate Unconjugated





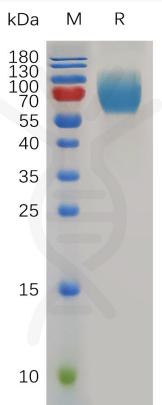


Figure 1. Mouse B7-2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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