PRODUCT INFORMATION

Target	B7-2
Synonyms	CD86;ETC-1
Description	Recombinant mouse B7-2 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P42082
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse B7-2(Val24-Glu245) hFc(Glu99-Ala330)
Molecular Weight	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 approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting 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 T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.
Usage	Research use only
Conjugate	Unconjugated

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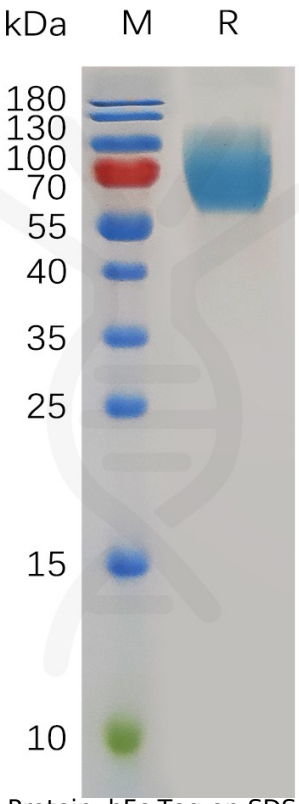


Figure 1. Mouse B7-2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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