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# 32-17086: Recombinant human B7-2 protein with C-terminal human Fc tag

**Alternative Name :** CD86, B7-2, B70, CD28LG2, LAB72, MGC34413

## Description

Expression Host : HEK293
The protein has a predicted molecular mass of 51.5 kDa after removal of the signal peptide.
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.

## Product Info

| | |
|---|---|
| **Amount :** | 50 µg |
| **Purification :** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Content :** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization. |
| **Storage condition :** | Store at -80°C for 12 months (Avoid repeated freezing and thawing) |

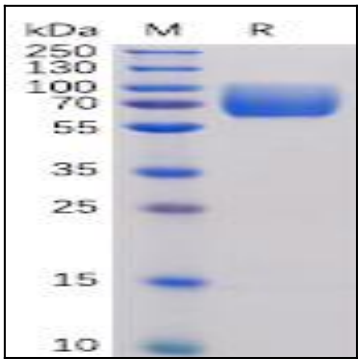



Figure 1. Human B7-2 Protein, hFc Tag on SDS-PAGE under reducing condition.

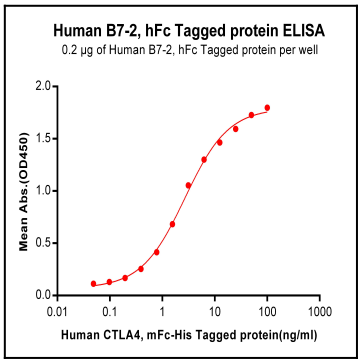



Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human B7-2, hFc tagged protein can bind Human CTLA4, mFc-His tagged protein in a linear range of 0.048-2.694 ng/ml.

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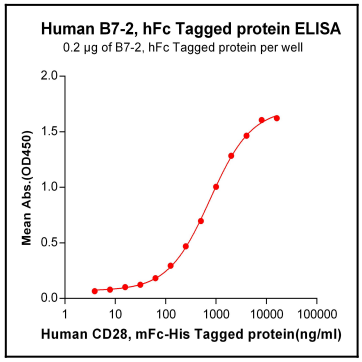



Figure 3. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human CD28, mFc-His tagged protein can bind Human B7-2, hFc tagged protein in a linear range of 62.5-4000 ng/ml.

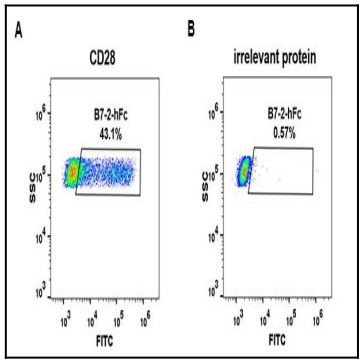



Figure 4. HEK293 cell line transfected with irrelevant protein (B) and human CD28 (A) were surface stained with Human B7-2 , hFc tagged protein 1 μg/ml followed by Alexa 488-conjugated anti-human IgG secondary antibody.

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