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32-17085: Recombinant human B7-1 protein with C-terminal human Fc tag

Alternative Name : CD80,B7,B7-1,B7.1,BB1,CD28LG,CD28LG1,LAB7

Description

Expression Host : HEK293
The protein has a predicted molecular mass of 50.0 kDa after removal of the signal peptide.
The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.

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)

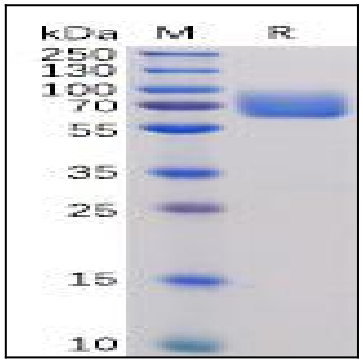

Figure 1. Human B7-1 Protein, hFc Tag on SDS-PAGE under reducing condition.

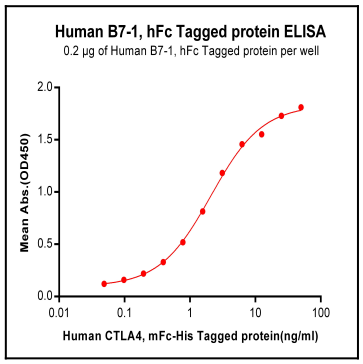

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human B7-1, hFc tagged protein can bind Human CTLA4, mFc-His tagged protein in a linear range of 0.048-2.094 ng/ml.

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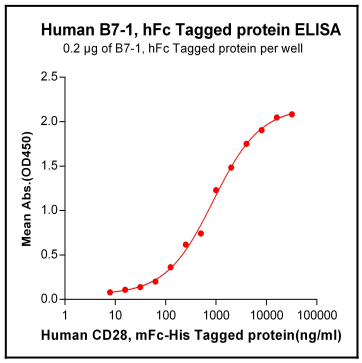

Figure 3. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human CD28, mFc-His tagged protein can bind Human B7-1, hFc tagged protein in a linear range of 125-4000 ng/ml.

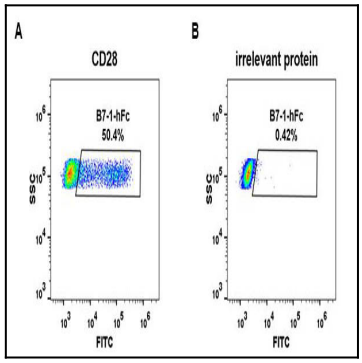

Figure 4. HEK293 cell line transfected with irrelevant protein (B) and human CD28 (A) were surface stained with Human B7-1 , hFc tagged protein 1 μg/ml followed by Alexa 488-conjugated anti-human IgG secondary antibody.