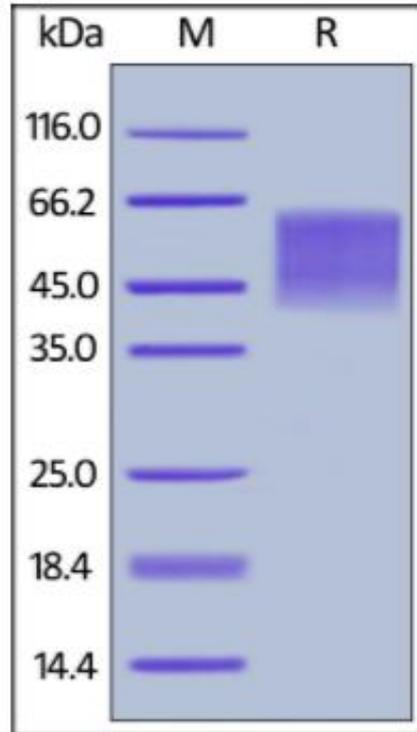


Recombinant Human CD86 protein, C-His Tag

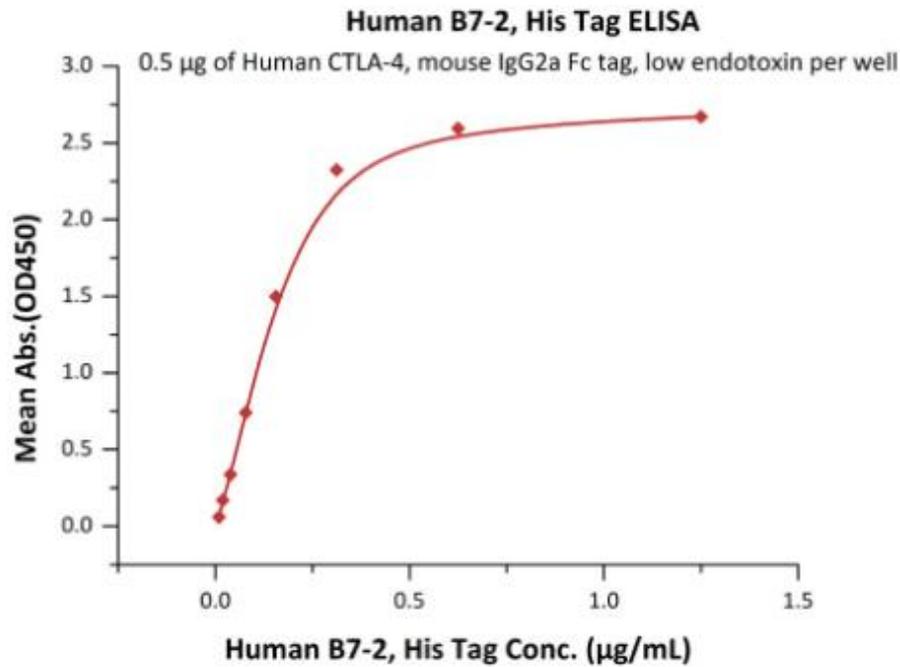
Product Information

| | |
|--------------------------|---|
| Cat | IMP-089 |
| Official Symbol | CD86 |
| Product Overview | Recombinant Human CD86 protein(AA Leu 26-Pro 247)(Accession # AAH40261) is expressed from human 293 cells (HEK293). This protein carries a polyhistidine tag at the C-terminus. |
| Expression System | HEK293 |
| Species | Human |
| Tag | C-His Tag |
| Form | Lyophilized from sterile PBS, pH7.4, 10% trehalose. |
| Molecular Mass | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26.2 kDa. The protein migrates as 42-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| Protein length | Leu 26-Pro 247 |
| Endotoxin | Less than 1.0 EU per ug by the LAL method. |
| Purity | >95% as determined by SDS-PAGE. |
| Storage | For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| SDS-PAGE | |



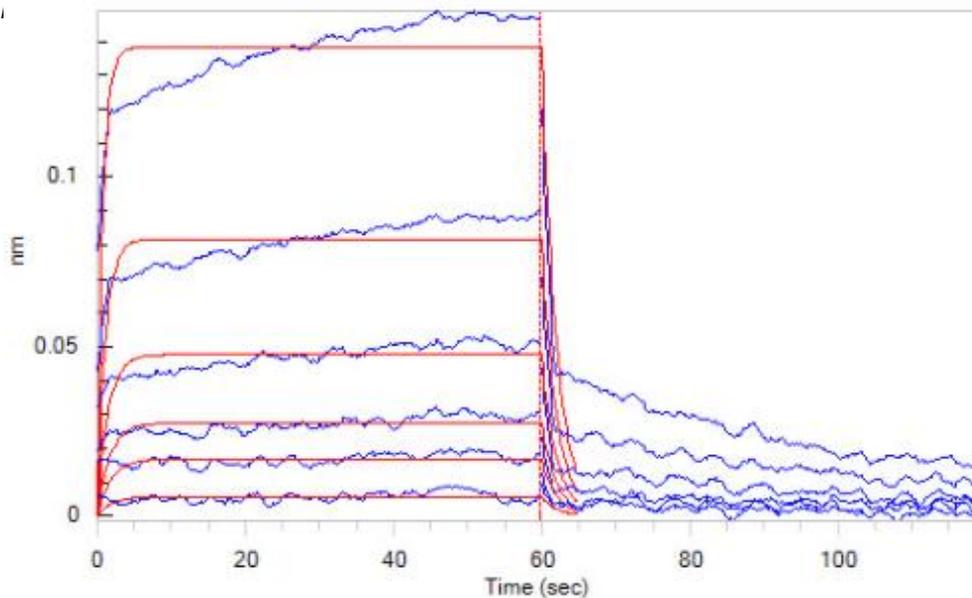
Human B7-2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA 1



Immobilized Human CTLA-4, mouse IgG2a Fc tag, low endotoxin at 5 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human B7-2, His Tag with a linear range of 0.01-0.156 $\mu\text{g/mL}$.

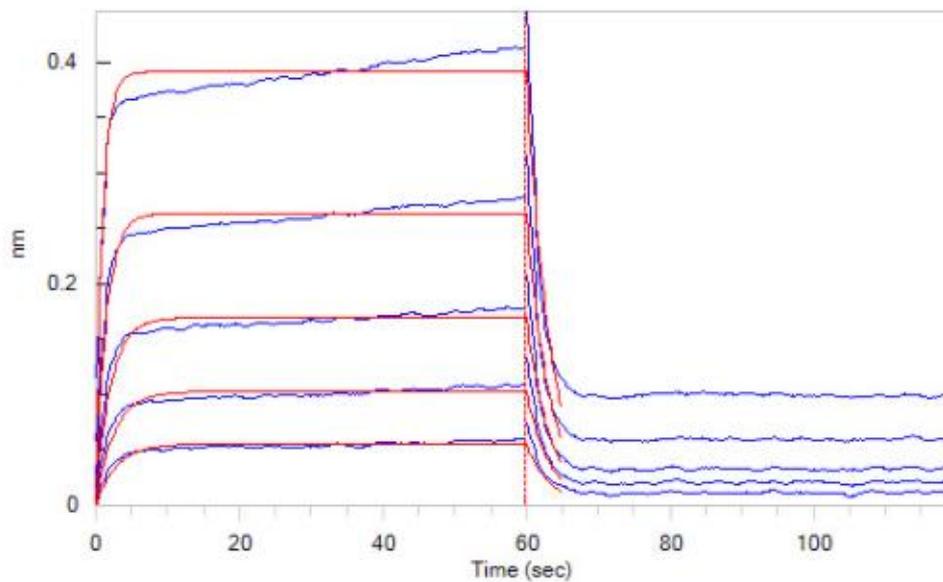
Bioactivity-BL



Loaded Human / Cynomolgus / Rhesus macaque CD28, Fc Tag (HPLC-verified) on Protein A

Biosensor, can bind Human B7-2, His Tag with an affinity constant of 6.8 μ M as determined in BLI assay (ForteBio Octet Red96e).

Bioactivity-BL



Loaded Human CTLA-4, Fc Tag on Protein A Biosensor, can bind Human B7-2, His Tag with an affinity constant of 1.9 μ M as determined in BLI assay (ForteBio Octet Red96e).