

Recombinant Human CD80 Protein (Val35-Asn242), C-Fc-tagged, Alexa Fluor 647 Conjugated

Product Information

Cat	IMP-10114
Official Symbol	CD80
Product Overview	Alexa Fluor 647 conjugated recombinant human B7-1/CD80 protein (Val35-Asn242) with a human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in Chinese Hamster Ovary cell line. Labeled with Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Description	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.
Expression System	CHO
Species	Human
Tag	C-Fc
Predicted N Terminal	Val35
Form	Supplied as a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Conjugate	Alexa Fluor 647
Molecular Mass	Predicted Molecular Mass: 50.5 kDa SDS-PAGE: 66-80 kDa, under reducing conditions.
Protein length	Val35-Asn242
Bio-activity	Measured by flow cytometry for its ability to bind anti-human B7-1 Monoclonal Antibody conjugated beads. The concentration of Recombinant Human B7-1 Fc-tag Alexa Fluor 647 that produces 50% of the binding response is 2.00-20.0 ng/mL.
Endotoxin	
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Notes	Disulfide-linked homodimer
Storage	Protect from light. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after opening. 3 months, -20 to -70 centigrade under sterile conditions after opening.

SDS-PAGE

