

Recombinant Human CD80 Protein, Alexa Fluor 647 conjugated

Cat. No. CD80-590HAF647 Lot. No. (See product label)

SPECIFICATION

Product Overview Alexa Fluor 647 conjugated recombinant human CD80 extracellular domain (Met 1-Asn 242) (NP_005182.1), fused with five amino acids at the C-terminus, was produced in Human Cell.

Species Human

Source HEK293

ProteinLength 214

Form Lyophilized

Molecular Mass The mature recombinant human B7-1 consists of 214 amino acids and predicts a molecular mass of 25.5 kDa. As a result of glycosylation, rhB7-1 migrates as approximately 45 kDa band in SDS-PAGE.

Endotoxin < 1.0 EU/ µg of the protein as determined by the LAL method.

Characteristic Disulfide-linked homodimer
Labeled with Alexa Fluor 647 via amines
Excitation = 650 nm
Emission = 668 nm

Stability Samples are stable for up to 12 months from date of receipt at -70 centigrade.

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Storage	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	CD80 CD80 molecule [Homo sapiens]
Official Symbol	CD80
Gene ID	941
mRNA Refseq	NM_005191
Protein Refseq	NP_005182
MIM	112203
UniProt ID	P33681

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