

# Recombinant Human CD80 Protein, His-tagged, Alexa Fluor 555 conjugated

Cat. No. CD80-591HAF555 Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Alexa Fluor 555 conjugated recombinant human CD80 precursor extracellular domain (Met 1-Asn 242) (NP\_005182.1), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.

**Species** Human

**Source** HEK293

**ProteinLength** 219

**Form** Lyophilized

**Molecular Mass** The recombinant human B7-1 consists of 219 amino acids and has a predicted molecular mass of 25.4 kDa. By reduced SDS-PAGE, the apparent molecular mass of rh B7-1 is approximately 45-48 kDa due to glycosylation.

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

**Characteristic** Disulfide-linked homodimer  
Labeled with Alexa Fluor 555 via amines  
With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

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<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Alexa Fluor 555

## GENE INFORMATION

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

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