

Active Recombinant Mouse Cd80 protein(Met1-Lys245), His-tagged

Cat. No. Cd80-5171M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD80 (Q00609-1) extracellular domain (Met 1-Lys 245) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Lys245
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind recombinant mouse CD28 in a functional ELISA.
Molecular Mass	The recombinant mouse CD80 consists of 219 amino acids and has a predicted molecular mass of 25.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm CD80 is approximately 45-55 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Cd80 CD80 antigen [*Mus musculus*]

Official Symbol Cd80

Synonyms CD80; CD80 antigen; T-lymphocyte activation antigen CD80; B7 protein; activation B7-1 antigen; B71; Ly53; TSA1; Cd28l; Ly-53; MIC17;

Gene ID 12519

mRNA Refseq NM_009855

Protein Refseq NP_033985

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