

Active Recombinant Mouse CD80, MlgG2a Fc-tagged

Cat. No. CD80-626M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse CD80 [B7-1] (NP_033985.3) (Asp37 - Lys245) is fused to the N-terminus of the Fc region of mouse IgG2a.
Species	Mouse
Source	CHO
ProteinLength	37-245 a.a.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to induce IL-2 secretion by Jurkat human acute T cell leukemia cells.
Molecular Mass	50 KDa (monomer)
AA Sequence	Asp37 - Lys245
Endotoxin	<0.06 eu/µg="" as="" determined="" by="" la="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

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Reconstitution Reconstitute at 100µg/ml in sterile PBS.

Warning Avoid freeze/thaw cycles.

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

Pathway Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CD28 co-stimulation, organism-specific biosystem; CD28 dependent PI3K/Akt signaling, organism-specific biosystem;

Function protein binding; receptor activity;

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