

## ARG70337 Mouse CD80 recombinant protein (Fc-His-tagged, C-ter)

Package: 100 µg

Store at: -20°C

### Summary

Product Description	HEK293 expressed, hFc-His-tagged (C-ter) Mouse CD80 recombinant protein.
Tested Reactivity	Ms
Tested Application	Binding, SDS-PAGE
Target Name	CD80
Species	Mouse
A.A. Sequence	Val38 - Lys245 of Mouse CD80 (NP_033985.3) with a human - Fc - 6X His tag at the C - terminus.
Expression System	HEK293
Alternate Names	B7.1; CTLA-4 counter-receptor B7.1; CD28LG; T-lymphocyte activation antigen CD80; B7-1; CD28LG1; B7; LAB7; Activation B7-1 antigen; CD antigen CD80; BB1

### Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse CD80 at 500ng/ml (100 µl/well) can bind Recombinant Human CTLA-4 with a linear range of 11-44 ng/ml.
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### Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 97% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	CD80
Gene Full Name	CD80 molecule
Background	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. [provided by RefSeq, Aug 2011]
Function	Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation.

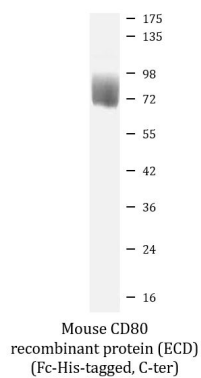
(Microbial infection) Acts as a receptor for adenovirus subgroup B. [UniProt]

Calculated Mw 33 kDa

Cellular Localization Membrane; Single-pass type I membrane protein. [UniProt]

## Images

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ARG70337 Mouse CD80 recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70337 Mouse CD80 recombinant protein (ECD) (Fc-His-tagged, C-ter).