

## ARG70336 Mouse CD80 recombinant protein (ECD) (His-tagged, C-ter)

Package: 100 µg  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | HEK293 expressed, His-tagged (C-ter) Mouse CD80 recombinant protein (ECD).   |
| Tested Reactivity   | Ms   |
| Tested Application  | Binding, SDS-PAGE  |
| Target Name         | CD80 (ECD)   |
| Species             | Mouse  |
| A.A. Sequence       | Val38 - Lys245 of Mouse CD80 (NP_033985.3) with 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 2 µg/ml (100 µl/well) can bind Recombinant Human CTLA-4 with a linear range of 16-66 ng/ml. |
|------------------|---|

### Properties

|                     |   |
|---------------------|---|
| Form                | Powder  |
| Purification Note   | 0.22 µm filter sterilized. Endotoxin level is 92% (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.   |

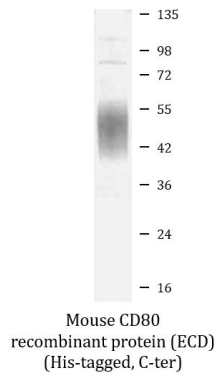
(Microbial infection) Acts as a receptor for adenovirus subgroup B. [UniProt]

Calculated Mw 33 kDa

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

## Images

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ARG70336 Mouse CD80 recombinant protein (ECD) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70336 Mouse CD80 recombinant protein (ECD) (His-tagged, C-ter).