

ARG70337 Mouse CD80 recombinant protein (ECD) (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 (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 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

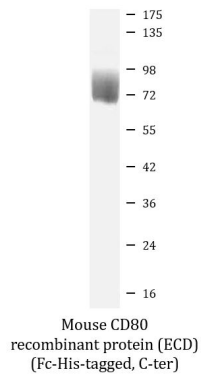
Gene Symbol	CD80
Gene Full Name	CD80 molecule
Background	The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B 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



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).