

ARG70329 Mouse CD28 recombinant protein (ECD) (Fc-His-tagged, C-ter)

Package: 100 µg
Store at: -20°C

Summary

Product Description	HEK293 expressed, Fc-His-tagged (C-ter) Mouse CD28 recombinant protein (ECD).
Tested Reactivity	Ms
Tested Application	Binding, SDS-PAGE
Target Name	CD28 (ECD)
Species	Mouse
A.A. Sequence	Asn20 - Lys149 of Mouse CD28 (NP_031668.3) with an Fc-6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	Tp44; TP44; T-cell-specific surface glycoprotein CD28; CD antigen CD28

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse CD86 at 5µg/ml (100 µl/well) can bind Recombinant Mouse CD28 with a linear range of 1.5-6 µg/ml.
------------------	--

Properties

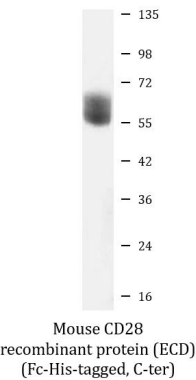
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 97% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After 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	CD28
Gene Full Name	CD28 molecule
Background	The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]
Function	Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation (PubMed:8617933). Isoform 3 enhances CD40L-mediated activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (PubMed:15067037). [UniProt]

Calculated Mw	25 kDa
PTM	CD40LG induces tyrosine phosphorylation of isoform 3. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. Isoform 3: Cell surface. [UniProt]

Images



ARG70329 Mouse CD28 recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70329 Mouse CD28 recombinant protein (ECD) (Fc-His-tagged, C-ter).