

ARG70291 Human CD137 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) Human CD137 recombinant protein (ECD).
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	CD137 (ECD)
Species	Human
A.A. Sequence	Leu24 - Gln186 of Human CD137 (NP_001552) with an Fc-6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	ILA; CD137; T-cell antigen 4-1BB homolog; CDw137; T-cell antigen ILA; 4-1BB; CD antigen CD137; Tumor necrosis factor receptor superfamily member 9; 4-1BB ligand receptor

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized human TNFSF9 at 2 µg/ml (100 µl/well) can bind Human 4-1BB/CD137, the EC50 of Human 4-1BB/CD137 is 40-100 ng/ml.
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Properties

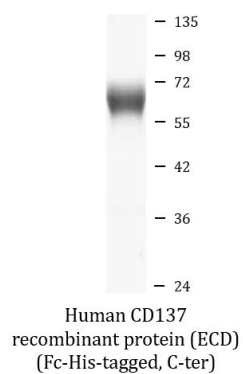
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 97% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After 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	TNFRSF9
Gene Full Name	tumor necrosis factor receptor superfamily, member 9
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB. [provided by RefSeq, Jul 2008]

Function	Receptor for TNFSF9/4-1BBL. Possibly active during T cell activation. [UniProt]
Calculated Mw	28 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG70291 Human CD137 recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70291 Human CD137 recombinant protein (ECD) (Fc-His-tagged, C-ter).