

ARG70324

Human LTBR / Lymphotoxin beta Receptor 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 LTBR / Lymphotoxin beta Receptor recombinant protein (ECD).
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	LTBR / Lymphotoxin beta Receptor (ECD)
Species	Human
A.A. Sequence	Gln31 - Met227 of Human LTBR / Lymphotoxin beta Receptor (NP_002333.1) with an Fc-6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	TNF-RIII; LT-BETA-R; Tumor necrosis factor receptor superfamily member 3; TNF-R-III; TNFR-III; TNFR-RP; TNFR3; D12S370; Tumor necrosis factor C receptor; Tumor necrosis factor receptor 2-related protein; TNFCR; Tumor necrosis factor receptor type III; Lymphotoxin-beta receptor; TNFR2-RP; CD18; TNFRSF3

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human LIGHT at 1µg/ml (100 µl/well) can bind Recombinant Human LTBR with a linear range of 14.3-57.4 ng/ml.
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Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 95% (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.

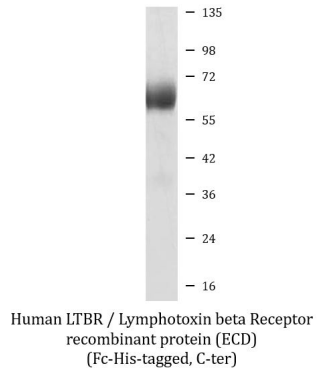
Bioinformation

Gene Symbol	LTBR
Gene Full Name	lymphotoxin beta receptor (TNFR superfamily, member 3)
Background	This gene encodes a member of the tumor necrosis factor receptor superfamily. The major ligands of this receptor include lymphotoxin alpha/beta and tumor necrosis factor ligand superfamily member 14.

The encoded protein plays a role in signalling during the development of lymphoid and other organs, lipid metabolism, immune response, and programmed cell death. Activity of this receptor has also been linked to carcinogenesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Aug 2012]

Function	Receptor for the heterotrimeric lymphotoxin containing LTA and LTB, and for TNFS14/LIGHT. Promotes apoptosis via TRAF3 and TRAF5. May play a role in the development of lymphoid organs. [UniProt]
Calculated Mw	47 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG70324 Human LTBR / Lymphotoxin beta Receptor recombinant protein (ECD) (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70324 Human LTBR / Lymphotoxin beta Receptor recombinant protein (ECD) (Fc-His-tagged, C-ter).