

Recombinant Human LTBR, FC Chimera

Cat. No. LTBR-2090H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LTBR Produced in <i>HEK 293 cells</i> . The cysteine-rich region of human LTβR (aa 1-220) is fused to the Fc portion of human IgG1. MW= Migrates as a doublet at ~56kDa and ~60kDa (SDS-PAGE).
Species	Human
Source	HEK293
ProteinLength	1-220 a.a.
Description	Lymphotoxin beta receptor (LTBR), a receptor for lymphotoxin, is a member of the tumor necrosis factor (TNF) family of receptors. It is expressed on the surface of most cell types, including cells of epithelial and myeloid lineages. LTBR specifically binds the lymphotoxin membrane form (a complex of lymphotoxin-alpha and lymphotoxin-beta).
Concentration	1mg/ml after reconstitution.
Purity	≥95% (SDS-PAGE).
Formulation	Lyophilized. Contains PBS.
Endotoxin Content	<0.1EU/g purified protein.
Reconstitution	Reconstitute in 50μl sterile water. Further dilutions should be made with medium

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	containing 5% fetal calf serum or a carrier protein.
Specificity	Binds human and mouse LIGHT and LT α 1 β 2.
Biological Activity	Inhibits human LIGHT- and LT α 1 β 2-mediated effects such as cytotoxic effects on HT29 target cells.
Application	Detection of human membrane-bound LIGHT in combination with PAb to human IgG1.
Long Term Storage	-20°C.
Handling	Stable for at least 6 months after receipt when stored at -20°C.
Stability	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.

GENE INFORMATION

Gene Name	LTBR lymphotoxin beta receptor (TNFR superfamily, member 3) [Homo sapiens]
Synonyms	LTBR; lymphotoxin beta receptor (TNFR superfamily, member 3); CD18; TNFCR; D12S370; TNFR-RP; TNFRSF3; TNFR2-RP; LT-BETA-R; TNF-R-III; Tumor necrosis factor receptor superfamily member 3; Lymphotoxin-beta receptor; Tumor necrosis factor receptor 2-related protein; Tumor necrosis factor C receptor; Tumor necrosis factor receptor type III; TNF-RIII; TNFR-III
Gene ID	4055
mRNA Refseq	NM_002342
Protein Refseq	NP_002333

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MIM	600979
UniProt ID	P36941
Chromosome Location	12p13
Pathway	Cytokine-cytokine receptor interaction
Function	protein binding; receptor activity
Crystallographic structure of LTBR.	

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