

Recombinant Human LTBR, FC Chimera

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

SPECIFICATION

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| 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 50μsterile 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

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| 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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