

LTbetaR Protein | Ltbr protein

LTbetaR-mulg-Biotin

CATALOG # AAA78195	HOST CHO cells	REACTIVITY Human	APPLICATIONS ELISA
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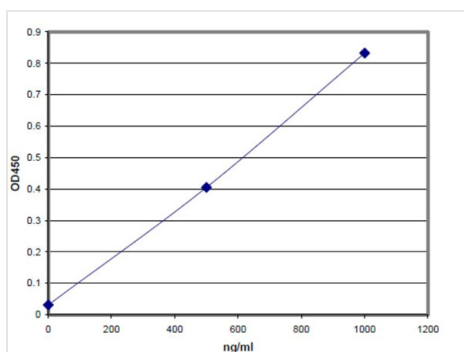
PRODUCT SYNONYMS

LTbetaR; LTbetaR-mulg-Biotin; Human LTbR-mulg/Biotin; Ltbr protein

PRODUCT SPECIFICATIONS

Host	CHO cells
Reactivity	Human
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN3 (as a preservative).
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	415
Applicable Applications for Ltbr protein	ELISA
Transfectant Cell Line	CHO
Performance	LTbR-mulg identity was confirmed by n-terminal sequencing (KPQAP) and amino acid analysis .LTbR-mulg/Biotin (at 0.1 - 1 ug/ml) bound well to recombinant LIGHT-coated plate in EIA using Streptavidin/HRP as a detector.
Conjugation	Biotin
Production	Fusion protein from (low FBS containing) tissue culture supernatant of transfectants was purified using affinity and size exclusion chromatography), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate by desalting column.
Molecular Structure	A soluble fusion protein consisting of 10 residual amino acids from murine CD8 alpha leader sequence (KPQAPELRGS), followed by the mature extracellular (192aa) domain of human LT?R (SQPQAVP....PLEPLPP) fused to (233aa) murine IgG2a Fc (EPRGPTI....FSRTPGK).
Preparation and Storage	Store at 2 - 5°C. Freeze/Thawing is not recommended. Product should retain activity for at least up to 6 months after shipping date when stored as recommended.

IMAGES



Application Data

Binding of LTbR-mulg/Biotin +SA/HRP to Immobilized recombinant huLIGHT

ADDITIONAL INFORMATION

Related Product Information for Ltbr protein	Information: Human Lymphotoxin beta receptor (LTbR, TNFSF3) is a member of the TNF receptor superfamily with similarity to CD120a(TNFR1) and CD120b(TNFR2). It is a expressed mainly on non lymphoid tissues(1) and appears to have an important role in secondary lymphoid organ development(5). Suppression of LTbR signaling can alleviate autoimmunity(2) or exasperate mycobacterial infection(6). Its ligands include Ltab2 and LIGHT. In mice, LTbR signaling is important for development and function of HEV(2), Dendritic cells(3), and Mast cells(4). Recombinant LTbR-mulg fusion protein binds to recombinant human LIGHT in EIA
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187953983
NCBI GeneID	17000
Molecular Weight	Predicted non glycosylated molecular weight of 48.9 kd.
NCBI Official Full Name	Lymphotoxin B receptor
NCBI Official Synonym Full Names	lymphotoxin B receptor
NCBI Official Symbol	Ltbr
NCBI Official Synonym Symbols	CD18; Ltar; TNFCR; Tnfbr; TNFRrp; LTbetaR; TNFR-RP; Tnfrsf3; AI256028; TNFR2-RP; TNF-R-III
NCBI Protein Information	tumor necrosis factor receptor superfamily member 3; LT beta-R; LT-beta receptor; lymphotoxin-beta receptor; TNF receptor-related protein; tumor necrosis factor receptor superfamily, member 3
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 3
UniProt Gene Name	Ltbr
UniProt Synonym Gene Names	Tnfcr; Tnfrsf3
UniProt Entry Name	TNR3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.