Human LTBR Knockdown Cell Line (WB-Validated)

Catalog #: C63649

Aliases

LTBR; Lymphotoxin Beta Receptor; TNFRSF3; TNFCR; TNF-R-III; TNFR2-RP; TNFR-RP; D12S370; Tumor Necrosis Factor Receptor Superfamily Member 3; Tumor Necrosis Factor Receptor 2-Related Protein; Tumor Necrosis Factor Receptor Type III; Tumor Necrosis Factor C Receptor; TNFR3; Lymphotoxin Beta Receptor (TNFR Superfamily, Member 3); TNFR Superfamily, Member 3; Lymphotoxin-Beta Receptor; Lymphotoxin B Receptor; LT-BETA-R; TNF-RIII; TNFR-III

Background

Gene Name: LTBR
NCBI Gene Entry: 4055

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human LTBR Knockdown Cell Line (Wb-Validated)
2. Wild-type cell line

Parental Cell Line

Human cell line supplied by the client

Validation Methods

RT-qPCR, Western blotting (WB)

Shipping

Shipped on Dry Ice.

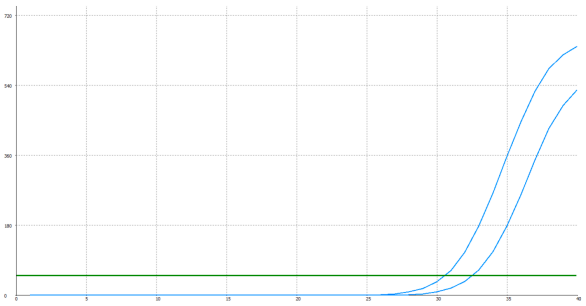
Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

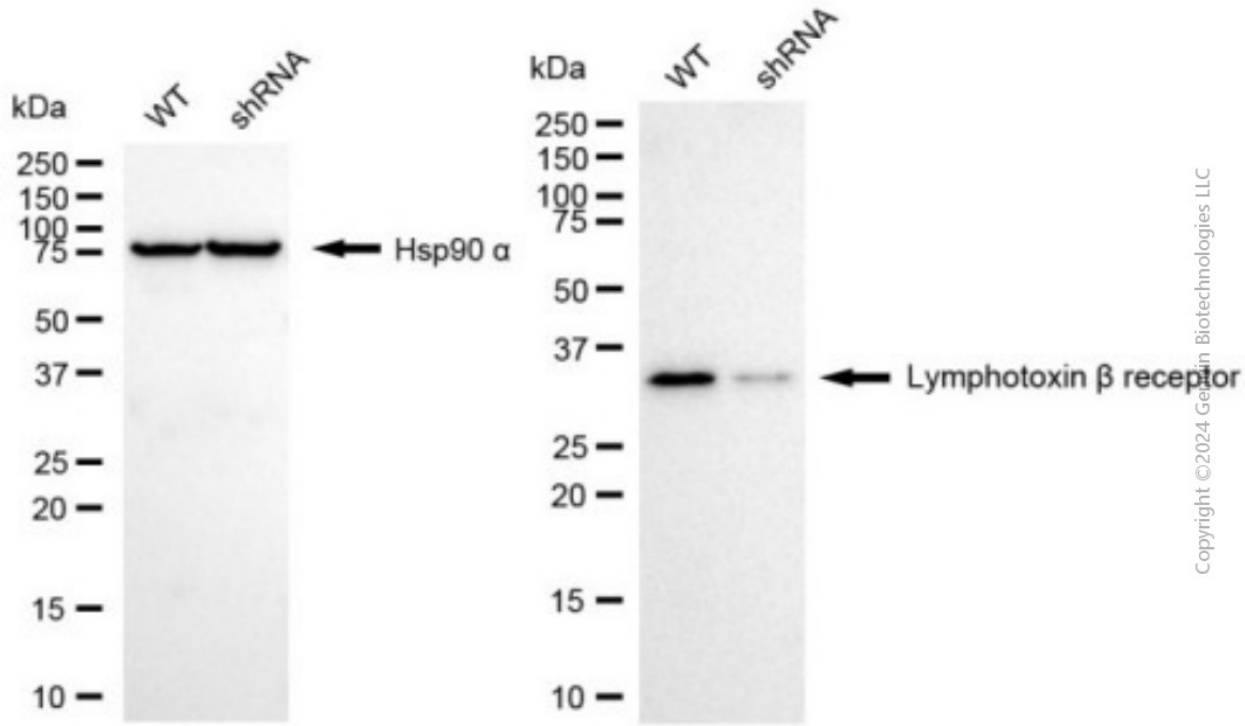
Validation Data

Human LTBR Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	30.26
Knock-Down	32.06
$\Delta Ct\ (Ct_{KD}\text{-}Ct_{WT})$	1.7
% mRNA Reduction	⬇ 69%

RT-qPCR analysis. HeLa cells were infected with LTBR-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



Western blotting analysis. LTBR protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against LTBR and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-mouse secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.