BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# LT-beta Polyclonal Antibody

## Description

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|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-AP10992 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human TNFC. AA range:181-230 |
| **Mol wt** | 25390 |
| **Species reactivity** | Human, Mouse |
| **Clonality** | Polyclonal |
| **Recommended application** | WB, IF, ICC, ELISA |
| **Concentration** | 1 mg/ml |
| **Full name** | Lymphotoxin-beta |
| **Synonyms** | Lymphotoxin-beta; LTB; TNFC; TNFSF3; Lymphotoxin-beta; LT-beta; Tumor necrosis factor C; TNF-C; Tumor necrosis factor ligand superfamily member 3 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## Background

Lymphotoxin beta is a type II membrane protein of the TNF family. It anchors lymphotoxin-alpha to the cell surface through heterotrimer formation. The predominant form on the lymphocyte surface is the lymphotoxin-alpha 1/beta 2 complex (e.g. 1 molecule alpha/2 molecules beta) and this complex is the primary ligand for the lymphotoxin-beta receptor. The minor complex is lymphotoxin-alpha 2/beta 1. LTB is an inducer of the inflammatory response system and involved in normal development of lymphoid tissue. Lymphotoxin-beta isoform b is unable to complex with lymphotoxin-alpha suggesting a function for lymphotoxin-beta which is independent of lympyhotoxin-alpha. Alternative splicing results in multiple transcript variants encoding different isoforms.

## Recommended Dilution

WB: 1: 500 - 1: 2000

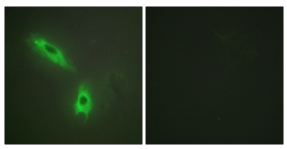
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

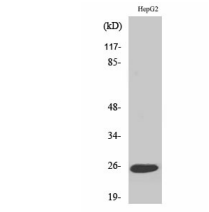
ELISA: 1: 10000

Not yet tested in other applications.

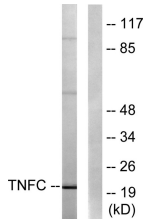
## Images



Immunofluorescence analysis of HeLa cells, using TNFC Antibody. The picture on the right is blocked with the synthesized peptide.




Western Blot analysis of various cells using LT-β Polyclonal Antibody




Western blot analysis of lysates from HepG2 cells, using TNFC Antibody. The lane on the right is blocked with the synthesized peptide.

## Storage

-20°C for 1 year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com