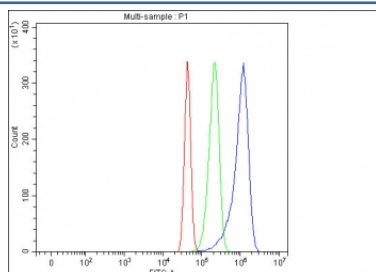


Lymphotoxin beta Antibody / Ltb (RQ8506)

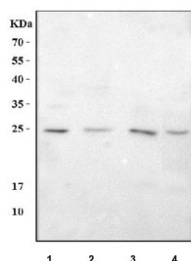
Catalog No.	Formulation	Size
RQ8506	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P41155
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This Lymphotoxin beta antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized mouse RAW264.7 cells with Lymphotoxin beta antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Lymphotoxin beta antibody.



Western blot testing of 1) rat PC-12, 2) mouse spleen, 3) mouse thymus and 4) mouse RAW264.7 cell lysate with Lymphotoxin beta antibody. Predicted molecular weight ~32 kDa.

Description

Lymphotoxin-beta (LT-beta) also known as tumor necrosis factor C (TNF-C) is a protein that in humans is encoded by the LTB gene. 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 lymphotoxin-alpha. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the Lymphotoxin beta antibody should be determined by the researcher.

Immunogen

An E.coli-derived mouse recombinant protein (amino acids R68-G306) was used as the immunogen for the Lymphotoxin beta antibody.

Storage

After reconstitution, the Lymphotoxin beta antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.