

Monoclonal Antibody to Lymphotoxin beta Receptor - PE

Alternate names:	D12S370, Lymphotoxin-beta receptor, TNF-R3, TNFCR, TNFRSF3, Tumor necrosis factor C receptor, Tumor necrosis factor receptor 2-related protein, Tumor necrosis factor receptor 3, Tumor necrosis factor receptor superfamily member 3, Tumor necrosis factor receptor type III
Catalog No.:	AM05877RP-N
Quantity:	100 Tests
Concentration:	0.05 mg/ml
Background:	The protein encoded by this gene 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, but not on T and B lymphocytes. The protein specifically binds the lymphotoxin membrane form (a complex of lymphotoxin alpha and lymphotoxin beta). The encoded protein and its ligand play a role in the development and organization of lymphoid tissue and transformed cells. Activation of the encoded protein can trigger apoptosis.
Uniprot ID:	P36941
NCBI:	NP_002333.1
GeneID:	4055
Host / Isotype:	Rat / IgG2a
Clone:	5G11b
Immunogen:	Recombinant extracellular domain of LT beta R
Format:	State: Lyophilized Ig fraction Purification: Affinity chromatography on Protein G Buffer System: Phosphate buffered saline pH7.4, 0.09% Sodium Azide, 1% Bovine Serum Albumin Label: PE – R. Phycoerythrin (RPE) Reconstitution: Reconstitute with 1.0 ml distilled water
Applications:	Flow Cytometry: Use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Specificity:

This antibody recognises lymphotoxin-beta receptor (LT beta R), a member of the tumour necrosis factor family. LT beta R is primarily expressed on stromal cells and fibroblasts and at lower levels on myeloid cell lines. Clone 5G11b specifically recognises surface expressed LT beta R. The clone is reported to be agonistic with respect to NF Kappa B activation, MIP-2 induction and IL-6 release (2).

This product is routinely tested on mouse WEHI cells.

Species: Mouse.

Other species not tested.

Storage:

Store the antibody prior and following reconstitution at 2-8°C.

DO NOT FREEZE.

This product is photosensitive and should be protected from light.

Shelf life: One year from despatch.

General Readings:

1. Muller P, Männel DN, Hehlhans T. Functional characterization of the mouse lymphotoxin-beta receptor promoter. Eur Cytokine Netw. 2001 Apr-Jun;12(2):325-30. PubMed PMID: 11399522.
2. Hehlhans T, Müller P, Stopfer P, Männel DN. Activation of the lymphotoxin-beta receptor induces NFkappaB-dependent interleukin-6 and MIP-2 secretion in mouse fibrosarcoma cells. Eur Cytokine Netw. 2003 Apr-Jun;14(2):103-7. PubMed PMID: 12957791.