

Monoclonal Anti- Lymphotoxin-alpha, LT α / TNF β **Catalog#** BMA1030**Lot #** Check on the product label**Size** 100 μ g**Isotype** IgG1**Clone #** M42-5**Host** Mouse**Reactivity**

Human, rat

Product Form Liquid**Purification** Protein A purified**Immunogen**

A synthetic peptide (conjugated with KLH) corresponding to the region of human LT-alpha.

Recommend Application

Western Blot, WB (1:100-200)

ELISA (1:5,000)

Other applications have not been tested.

The optimal dilutions should be determined by end user.

Storage Buffer

1*PBS (pH7.4), 0.2% BSA, 40% Glycerol and 0.05% Sodium Azide.

Storage Instruction

Store at 4°C after thawing (1 week).

Aliquot and store at -20°C for long term (at least one year).

Avoid repeated freeze and thaw cycles.

Background

Lymphotoxin-alpha, a member of the tumor necrosis factor family, is a cytokine produced by lymphocytes. It is a

glycoprotein with a relative molecular mass (Mr) of 60,000-70,000. ^[1]LTA is highly inducible, secreted, and exists as homotrimeric molecule. It forms heterotrimers with lymphotoxin-beta which anchors lymphotoxin-alpha to the cell surface. LTA mediates a large variety of inflammatory, immunostimulatory, and antiviral responses. It is also involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis.^[2]

Reference

1. Gray, P. W., Aggarwal, B. B., Benton, C. V., Bringman, T. S., Henzel, W. J., Jarrett, J. A., Leung, D. W., Moffat, B., Ng, P., Svedersky, L. P., Palladino, M. A., Nedwin, G. E. Cloning and expression of cDNA for human lymphotoxin, a lymphokine with tumour necrosis activity. Nature 312: 721-724, 1984.
2. Aggarwal BB, Eessalu TE, Hass PE (Feb 1986). "Characterization of receptors for human tumour necrosis factor and their regulation by gamma-interferon". Nature 318 (6047): 665-7.

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