

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Recognizes human Lymphotoxin $\alpha$ chains in $\alpha_2\beta_1$ or $\alpha_1\beta_2$ trimers and also human TNF- $\beta$ . In direct ELISAs, less than 10% cross-reactivity with recombinant human (rh) APRIL, rhBAFF, rhEDA-A2, rhFas Ligand, rhLIGH
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 135125
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Lymphotoxin $\alpha/\beta$
<b>Conjugate</b>	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Neutralization** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## BACKGROUND

Lymphotoxin  $\alpha$ , also known as tumor necrosis factor (TNF)  $\beta$ , and Lymphotoxin  $\beta$  are members of the TNF superfamily and have been designated TNFSF1 and TNFSF3, respectively. Secreted Lymphotoxin  $\alpha$  forms a homotrimer (TNF $\beta$ ) and heterotrimeric complexes with the type II membrane protein, Lymphotoxin  $\beta$  (either  $\alpha_2\beta_1$  or  $\alpha_1\beta_2$  trimers). These trimers serve as ligands for Lymphotoxin  $\beta$  receptor, TNF RI and TNF RII and play a role in the development and maturation of the immune system.

## PRODUCT SPECIFIC NOTICES

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