

ARG82971 Human Lymphotoxin Alpha / TNF beta ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82971 Human Lymphotoxin Alpha / TNF beta ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Lymphotoxin Alpha / TNF beta in serum, plasma, cell culture supernatant samples.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Cross-Reactivity: Not reacts with Human GM-CSF, IL8, IL1 beta, TNF alpha and Mouse TNF alpha.
Target Name	Lymphotoxin alpha / TNF beta
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.9 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	500 - 7.8 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	LTA; Lymphotoxin Alpha; TNFSF1; TNFB; LT; Tumor Necrosis Factor Ligand Superfamily Member 1; Lymphotoxin-Alpha; LT-Alpha; TNF-Beta; Lymphotoxin Alpha (TNF Superfamily, Member 1); Tumor Necrosis Factor Ligand 1E; Tumor Necrosis Factor Beta; TNF Superfamily, Member 1; TNF Superfamily Member 1; TNLG1E

Application Instructions

Assay Time	~ 4 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LTA
Gene Full Name	lymphotoxin alpha
Background	The encoded protein, a member of the tumor necrosis factor family, is a cytokine produced by

lymphocytes. The protein is highly inducible, secreted, and forms heterotrimers with lymphotoxin-beta which anchor lymphotoxin-alpha to the cell surface. This protein also mediates a large variety of inflammatory, immunostimulatory, and antiviral responses, is involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis. Genetic variations in this gene are associated with susceptibility to leprosy type 4, myocardial infarction, non-Hodgkin's lymphoma, and psoriatic arthritis. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]

Function

Cytokine that in its homotrimeric form binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFR and TNFRSF14/HVEM. In its heterotrimeric form with LTB binds to TNFRSF3/LTBR. Lymphotoxin is produced by lymphocytes and cytotoxic for a wide range of tumor cells in vitro and in vivo. [UniProt]

Highlight

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