

# Product Datasheet

## Human Lymphotoxin-alpha/TNF-beta ELISA Kit (Colorimetric) NBP1-83730

Unit Size: 96 Tests

Storage of components varies. See protocol for specific instructions.

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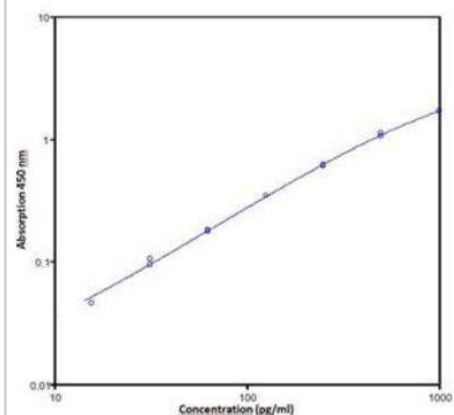


**NBP1-83730****Human Lymphotoxin-alpha/TNF-beta ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	96 Tests
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	The human Lymphotoxin-alpha/TNF-beta ELISA is an enzyme-linked immunosorbent assay for quantitative detection.
<b>Gene ID</b>	4049
<b>Gene Symbol</b>	LTA
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	The assay detects recombinant, unglycosylated lymphotoxin with the same sensitivity as the natural, glycosylated protein, shows good correlation with the standard cytotoxicity bioassay, and is specific for biologically active TNF beta without TNF alpha cross reactivity.
<b>Kit Components</b>	Aluminium pouch(es) with a Microwell Plate coated with monoclonal antibody to human Caspase-8, anti-human Caspase-8 polyclonal (rabbit) Detection Antibody, Anti-rabbit-IgG-HRP, Human Caspase-8 Standard lyophilized, 20.00 ng/ml upon reconstitution, Sample Diluent, Assay Buffer Concentrate 20x (PBS with 1% Tween 20 and 10% BSA), Wash Buffer Concentrate 20x (PBS with 1% Tween 20), Lysis Buffer 10x, Substrate Solution (tetramethyl-benzidine), Stop Solution (1M Phosphoric acid), Adhesive Films
<b>Standard Curve Range</b>	15.6 - 1,000 pg/mLml
<b>Sensitivity</b>	4.6 pg/mL
<b>Inter Assay</b>	CV% < 10.2%
<b>Intra Assay</b>	CV% < 8.0%
<b>Assay Type</b>	Sandwich ELISA
<b>Spiking Recovery</b>	The recovery ranged from 87% to 130% with an overall mean recovery of 105%
<b>Suitable Sample Type</b>	Cell culture supernatant, serum, plasma, urine, synovial fluid, amniotic fluid
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA

## Images

ELISA: Human Lymphotoxin-alpha/TNF-beta ELISA Kit (Colorimetric) [NBP1-83730] - Representative standard curve for human TNF beta ELISA. Human TNF beta was diluted in serial 2-fold steps in Sample Diluent. Do not use this standard curve to derive test results. A standard curve must be run for each group of microwell strips assayed.



## Publications

Takeshita A, Nishida K, Yoshida A Et Al. RANKL expression in chondrocytes and its promotion by lymphotoxin-alpha in the course of cartilage destruction during rheumatoid arthritis PloS one 2021-07-07 [PMID: 34234380] (ELISA)



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### **Products Related to NBP1-83730**

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NBP2-61307-10ug	Recombinant Human Lymphotoxin-alpha/TNF-beta Protein
210-TA-005	TNF-alpha [Unconjugated]
211-TBB-010/CF	Lymphotoxin-alpha/TNF-beta [Unconjugated]
M6000B-1	IL-6 [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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