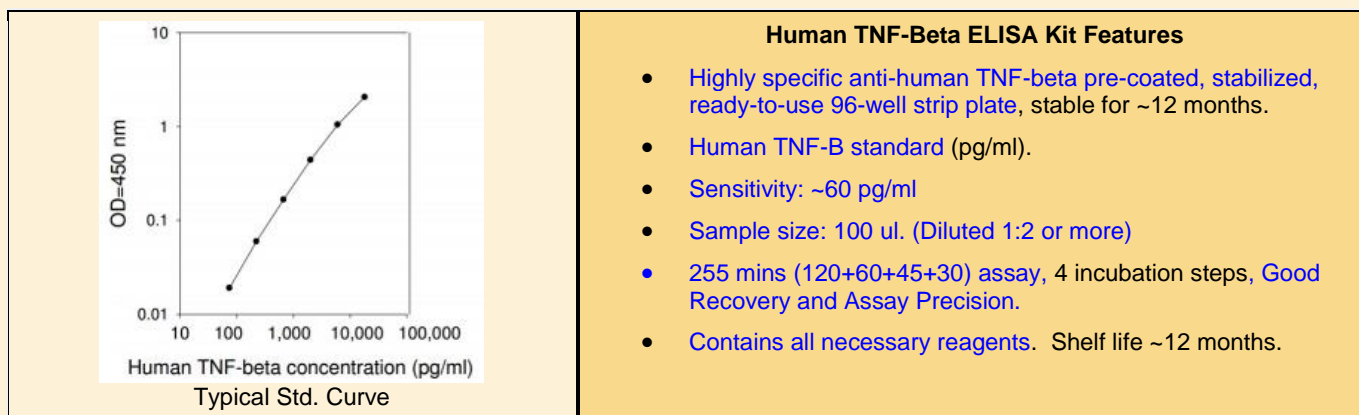


## Human TNF-beta ELISA Kit Cat #100-205-TNF, 96 Tests

This ELISA kit detects and measure human TNF-beta in human serum, plasma and other biological fluids (culture supernatant). For in vitro research use only.



### Human TNF-Beta ELISA Kit Features

- Highly specific anti-human TNF-beta pre-coated, stabilized, ready-to-use 96-well strip plate, stable for ~12 months.
- Human TNF-B standard (pg/ml).
- Sensitivity: ~60 pg/ml
- Sample size: 100 ul. (Diluted 1:2 or more)
- 255 mins (120+60+45+30) assay, 4 incubation steps, Good Recovery and Assay Precision.
- Contains all necessary reagents. Shelf life ~12 months.

**Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.**

- Step 1.** Pipet 100 ul each of pre-diluted stds, samples into pre coated wells. Cover and incubate at RT for 2 hrs.
- Step 2.** Discard and wash 4X. Add 100 ul of Biotinylated antibody soln. to all wells. Incubate at RT for 60 mins.
- Step 3.** Discard and wash 4X. Add 100 ul streptavidin soln to all wells, mix gently, and incubate at RT for 45 mins.
- Step 4.** Aspirate and Wash 4X Pipet 100 ul of TMB substrate into each well, mix gently, cover and incubate at RT for 30 mins.
- Step 5.** Pipet 50 ul of stop soln to each well, and mix gently on a plate shaker. Blue color turns yellow. Measure absorbance at 450 nm

### Performance characteristics

First calculate the averaged optical densities for each calibrator well, and plot the averaged optical density of each calibrator versus the concentration. Interpolate test sample values from standard curve.

#### Linearity (Range %)

(Diluted 1:2) Serum: 80-103  
(Diluted 1:4) Serum: 80-104

Plasma: 81-104  
Plasma: 81-105

Culture media: 82-105  
Culture media: 83-105

#### Reproducibility:

Intra-Assay CV%: <10%

Inter-Assay CV%: <12%

**Specificity:** No detectable cross-reactivity with : Human Angiogenin, BDNF, BLC, ENA-78, FGF-4, IL-1 alpha, IL-1 beta, IL-2, IL-3, IL-4, IL-5, IL-7, IL-8, IL-9, IL-11, IL-12 p70, IL- 12 p40, IL-13, IL-15, IL-309, IP-10, G-CSF, GM-CSF, IFN-gamma, Leptin (OB), MCP-1, MCP-2, MCP-3, MDC, MIP-1 alpha, MIP-1 beta, MIP-1 delta, PARC, PDGF, RANTES, SCF, TARC, TGF-beta, TIMP-1, TIMP-2, TNF-alpha, TPO, VEGF. This kit is optimized for human samples.

### General information

Tumor necrosis factor-beta (TNF-beta), previously called lymphotoxin-alpha(LTA), is a cytokine produced by lymphocytes. TNF-alpha and TNF-beta share 35% identity and 50% homology in the amino acid sequence. The substance LTA mediates a wide variety of inflammatory, immunostimulatory, and antiviral responses. LTA is associated with susceptibility to myocardial infarction, asthma and other diseases. The LTA gene is located on human chromosome 6. The standard product used in this kit is recombinant protein, consisting of 172 amino acids with the molecular mass of 18.8KDa.

ADI's human TNF-beta ELISA Kit is used for the quantitative measurement of TNF beta in human serum, plasma and other biological fluids (culture supernatant). For in vitro research use only.

### Related ELISA kits

Catalog#	Product Description
100-210-TNF	Mouse TNF-alpha ELISA Kit, 96 tests, Quantitative
100-215-TNH	Human TNF-alpha ELISA Kit, 96 tests, Quantitative
200-330-TNF	Human TNF-alpha ELISA Kit, 96 tests

100-205-TNF-Human-TNF-beta-ELISA-flr

150206P

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