

## 90-2129: Human TNF $\beta$ (Tumor Necrosis Factor Beta) Pre-Coated ELISA Kit

**Application :** ELISA

### Description

This assay employs an antibody specific for Anti-human TNF $\beta$  coated on a 96-well plate. Standards and samples are pipetted into the wells and TNF $\beta$  present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human TNF $\beta$  antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TNF $\beta$  bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

### Kit Components

| Item   | Specifications | Storage |
|--|----------------|---------|
| 96 well Strip ELISA Plate                        | 8 X 12 well    | 4°C     |
| Lyophilized Standard                             | 2 vials        | -20°C   |
| Sample and Standard Dilution Buffer              | 20 ml          | 4°C     |
| Biotinylated Detection Antibody for hTNF $\beta$ | 120 $\mu$ l    | 4°C     |
| Antibody Dilution Buffer                         | 10 ml          | 4°C     |
| HRP Conjugated Streptavidin                      | 120 $\mu$ l    | 4°C     |
| Streptavidin Dilution Buffer                     | 10 ml          | 4°C     |
| TMB Substrate                                    | 10 ml          | 4°C     |
| Stop Solution                                    | 10 ml          | 4°C     |
| 25X Wash Buffer                                  | 30 ml          | 4°C     |
| Plate Sealer                                     | 5 pieces       |         |
| Product Manual                                   | 1              |         |

### Product Info

**Amount :** 1  $\bar{A}$ — 96 Tests  
**Content :** 1  $\bar{A}$ — 96 well Format (96 tests)  
**Storage condition :** Please refer to the Manual

### Application Note

This immunoassay kit allows for the in vitro quantitative determination of Human TNF $\beta$  concentrations in serum, plasma and other biological fluids.

**Detection Range:** 15.6 – 1000 pg/ml

**Sensitivity:** < 9.4 pg/ml

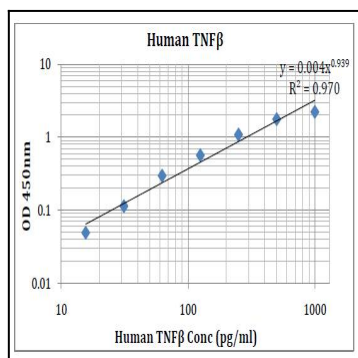


Fig-1: Human TNF $\beta$  Standard Curve