

90-2082: Human IL-1 β (Interleukin 1 Beta) Pre-Coated ELISA Kit

Application : ELISA

Reactivity : Human

Description

This assay employs an antibody specific for anti-human IL-1 β coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-1 β present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human IL-1 β 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 IL-1 β 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 × 12 well | 4°C |
| Lyophilized Standard | 2 vials | -20°C |
| Sample and Standard Dilution Buffer | 20 ml | 4°C |
| Biotinylated Detection Antibody for hIL-1 β | 120 μ l | 4°C |
| Antibody Dilution Buffer | 10 ml | 4°C |
| HRP Conjugated Streptavidin (SABC) | 120 μ l | 4°C |
| SABC 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 IL-1 β concentrations in serum, plasma and other biological fluids.

Detection Range: 7.8 – 500 pg/ml

Sensitivity: < 4.69 pg/ml

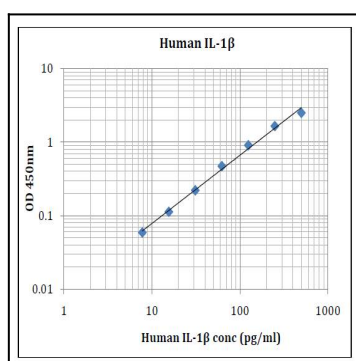


Fig-1: Human IL-1 β Standard Curve