

## 90-2081: Human IL-1 $\alpha$ (Interleukin 1 Alpha) Pre-Coated ELISA Kit

**Application :** ELISA

**Reactivity :** Human

### Description

This assay employs an antibody specific for anti-human IL-1 $\alpha$  coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-1 $\alpha$  present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human IL-1 $\alpha$  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 $\alpha$  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 $\alpha$	120 $\mu$ l	4°C
Antibody Dilution Buffer	10 ml	4°C
HRP Conjugated Streptavidin (SABC)	120 $\mu$ 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 $\alpha$  concentrations in serum, plasma and other biological fluids.

**Detection Range:** 3.9 – 250 pg/ml

**Sensitivity:** < 2.34 pg/ml

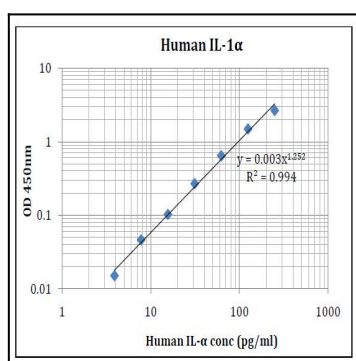


Fig-1: Human IL-1 $\alpha$  Standard Curve