

## 90-2090: Human IL-31 (Interleukin-31) Pre-Coated ELISA Kit

**Application :** ELISA

### Description

This assay employs an antibody specific for Anti-human IL-31 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-31 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human IL-31 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-31 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 hIL-31	120 µl	4°C
Antibody Dilution Buffer	10 ml	4°C
HRP Conjugated Streptavidin	120 µl	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 Å— 96 Tests  
**Content :** 1 Å— 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-31 concentrations in serum, plasma and other biological fluids.

**Detection Range:** 7.8 – 500 pg/ml

**Sensitivity:** < 4.69 pg/ml

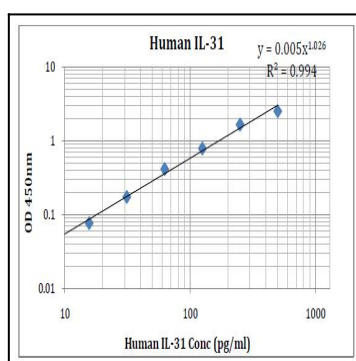


Fig-1: Human IL-31 Standard Curve