

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 90-2238: Human IL-12 (p70) (Interleukin 12, p70) Pre-Coated ELISA Kit

**Application:** ELISA

## **Description**

This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- Human IL-12 (p70) antibody was pre-coated into 96-well plates. Biotin conjugated anti-human IL-12 (p70) detection antibody was used. Standards, test samples and biotin conjugated detection antibody were added to the wells subsequently. Wash buffer was used to wash any non-specific binding. HRP conjugated Streptavidin was used as secondary antibody. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human IL-12 (p70) amount of samples captured in the plate. Optical Density (O.D) can be read at absorbance 450 nm in a microplate reader. Concentration of Human IL-12 (p70) can be calculated using the standard curve.

# **Kit Components**

Item	Specifications	Storage
96 well Strip ELISA Plate	8 X 12 well	4°C/-20°C
Lyophilized Standard	2 vials	4°C/-20°C
Sample and Standard Dilution Buffer	20 ml	4°C
Biotinylated Detection Antibody for hIL-12	120 μΙ	4°C/-20°C
Antibody Dilution Buffer	10 ml	4°C
HRP Conjugated Streptavidin (SABC)	120 μl	4°C in dark
SABC Dilution Buffer	10 ml	4°C
TMB Substrate	10 ml	4°C in dark
Stop Solution	10 ml	4°C
25X Wash Buffer	30 ml	4°C
Plate Sealer	5 pieces	
Product Manual	1	

#### **Product Info**

Amount: 1 × 96 Tests

**Content :** 1 × 96 well Format (96 tests) **Storage condition :** Please refer to the Manual



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## **Application Note**

This immunoassay kit allows for the in vitro quantitative determination of Human IL-12 (p70) concentrations in serum, plasma and other biological fluids.

Detection Range: 15.6 - 1000 pg/ml

Sensitivity: < 9.4 pg/ml

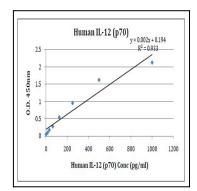


Fig-1:Human IL-12 (p70) Standard Curve