

## 90-2263: Mouse IL-6 (Interleukin 6) Pre-Coated ELISA Kit

**Application :** ELISA

**Reactivity :** Mouse

### Description

This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- IL-6 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-6 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. 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 IL-6 amount of sample captured in plate. Read the O.D. absorbance at 450 nm in a microplate reader, and then the concentration of IL-6 can be calculated.

### 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 mIL-6 | 120 µl         | 4°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 X 96 Tests

**Content :** 1 X 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 mouse IL-6 concentrations in serum, plasma and other biological fluids.

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

**Sensitivity:** < 9.375 pg/ml

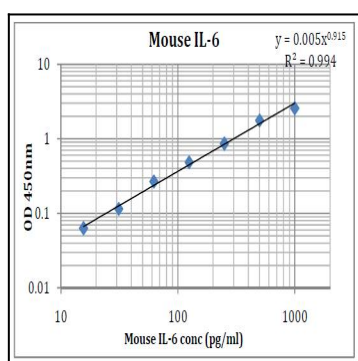


Figure-1: Mouse IL-6 Standard Curve.