

**90-2062: Human GMCSF (Granulocyte Macrophage Colony Stimulating Factor) Pre-Coated ELISA Kit****Application :** ELISA**Description**

This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- Human GMCSF antibody was pre-coated into 96-well plates. Biotin conjugated anti-human GMCSF 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 GMCSF 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 GMCSF 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 hGMCSF | 120 µl         | 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 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 Human GMCSF concentrations in serum, plasma and other biological fluids.

**Detection Range:** 3.9 – 250 pg/ml

**Sensitivity:** < 2.34 pg/ml

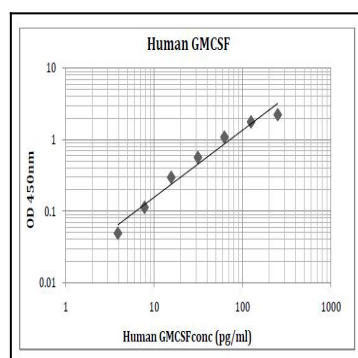


Fig-1: Human GMCSF Standard Curve