



## Mouse Granulocyte Colony-Stimulating factor ELISA Kit (2 plates)

**Catalogue No.:** BEK-2165-2P

**Description:** The mouse Granulocyte Colony-Stimulating factor (G-CSF) Kit is a sandwich ELISA. The capture antibody is a polyclonal mouse G-CSF antibody pre-coated onto the 96-well strip plates provided in the kit. Test samples and standards of known G-CSF concentration are added to these wells and allowed to complex with the bound G-CSF antibody. A biotinylated mouse G-CSF polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of G-CSF present in the samples. The purpose of this kit is the in-vitro quantitative determination of G-CSF in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Other Names:** Pluripoietin; G-CSF; Csf3; Csf3g;

**Accession:** P09920 CSF3\_MOUSE;

**Specificity:** Mouse G-CSF

**Storage:** Store at 4°C

**Kit components:** The ELISA kit box contains 1 x 96-well pre-coated strip plate, protein standards, detection reagents, substrate buffer and detailed protocols.

**Range:** 31.2 pg/ml - 2,000 pg/ml

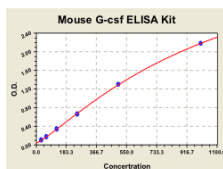
**Sensitivity:** < 4 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

### Typical Mouse G-CSF ELISA Kit Standard Curve

(TMB reaction incubate at 37°C for 14 min)

Concentration	0 pg/ml	31.2 pg/ml	62.5 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml	2000 pg/ml
O.D.	0.058	0.116	0.184	0.354	0.672	1.306	2.185	2.962



This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.

FOR RESEARCH USE ONLY