

Mouse Granulocyte-macrophage colony-stimulating factor (GM-CSF) ELISA Kit (2 plates)

Catalogue No.: BEK-2021-2P

Description: The mouse GM-CSF Kit is a sandwich ELISA. The capture antibody is a polyclonal mouse GM-CSF antibody pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known GM-CSF concentration are added to these wells and allowed to complex with the bound GM-CSF antibody. A biotinylated mouse GM-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 GM-CSF present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse GM-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: GM-CSF; Colony-stimulating factor; Csf2; Csfgm;

Accession: P01587 CSF2_MOUSE;

Specificity: Mouse GM-CSF

Storage: Store at 2-8C

Specific References: Austin SA, Santhanam AV, Hinton DJ, Choi DS, Katusic ZS. (2013) Endothelial nitric oxide deficiency promotes Alzheimer disease pathology. J Neurochem. 2013 Dec;127(5):691-700.

Kit components: The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

Range: 15.6 pg/mL - 1,000 pg/mL

Sensitivity: < 1 pg/ml

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

Typical Mouse GM-CSF ELISA Kit Standard Curve
(TMB reaction incubated at 37°C for 8 min)

Concentration (pg/ml)	0.0	15.6	31.3	62.5	125	250	500	1000
O.D.	0.032	0.130	0.223	0.422	0.748	1.365	2.265	2.621



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

FOR RESEARCH USE ONLY