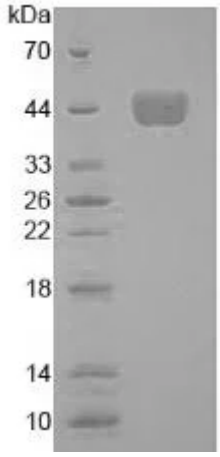
Active Colony Stimulating Factor 2, Granulocyte Macrophage (GM-CSF)

Catalog#:PEM12067

概述（Summary）

别称（Alternative Names）	CSF2; GMCSF; Sargramostim; Molgramostin; Granulocyte-Macrophage Colony Stimulating Factor
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Pro19-Lys141】
Accession #	P01587
表达宿主（Host）	E.coli
种属（Species）	Mus musculus (Mouse)
预测分子量（Predicted MW）	44.0 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

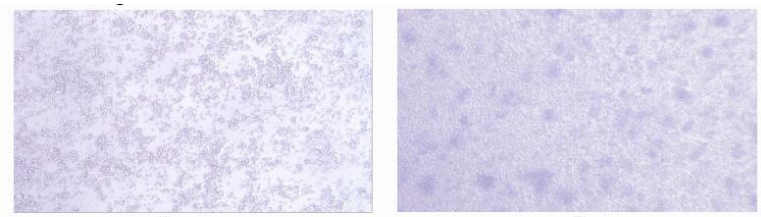


Figure 1. Effect of GMCSF on BMDC.

(A) BMDC cultured in DMEM supplemented with 10%FBS;

(B) BMDC cultured in DMEM supplemented with 10%FBS and GMCSF.

Measured in a cell proliferation assay using mouse BMDC (bone marrow derived dendritic cells). The ED50 (median effective dose) for this effect is less than 0.25 ng/mL. In-house data of APA045Mu01 used in cellular experiment: Six-eight weeks old Balb/c mice were used for BMDC. At first, mouse femur and tibia were taken out, and then bone marrow was washed out with serum-free RPMI 1640 medium, followed by centrifugation at 1200RPM for 5min (4oC). ACK buffer was added to get rid of red blood cells, and then, centrifuged at 1200RPM for 5min (4oC). Cell pellets were collected and re-suspended, the cells were cultured in DMEM medium supplemented with 10% FBS, or DMEM medium supplemented with 10% FBS and GMCSF (APA045Mu01) at 37oC with 5% CO2 in thermostatic incubator. Three days later, cells were observed by microscope, and the result is shown in Figure 1.

注意事项（Note）

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