

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

SBPA028Mu01

Mus musculus (Mouse)

Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.9
Applications	Cell culture; Activity Assays.

ACTIVITY TEST

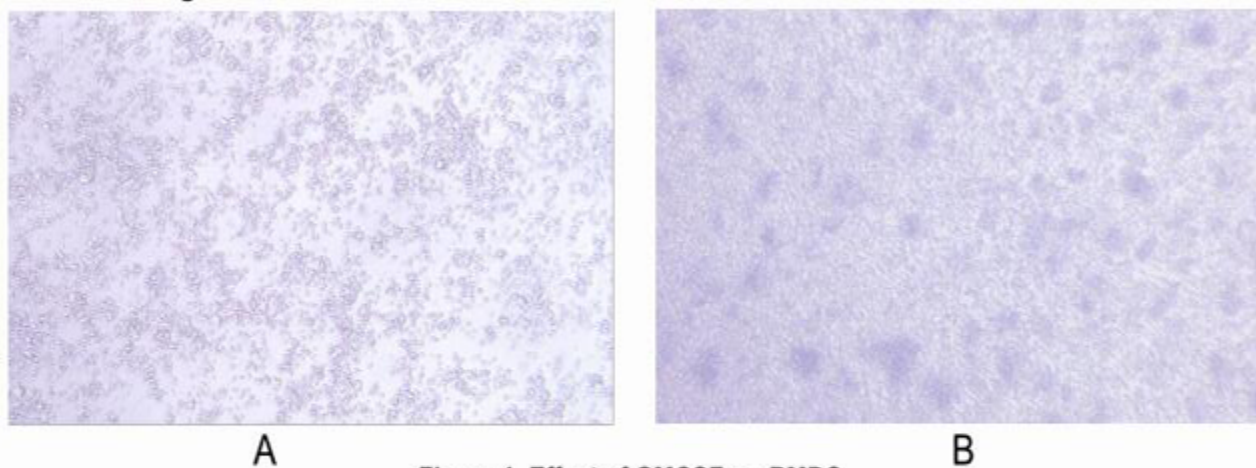


Figure 1. Effect of GMCSF on BMDC.

(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.

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

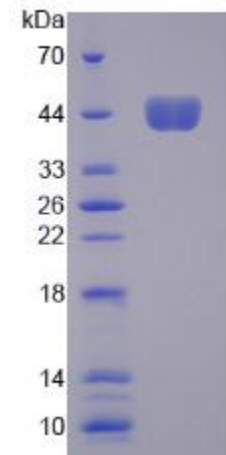
STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image



SDS-PAGE Image

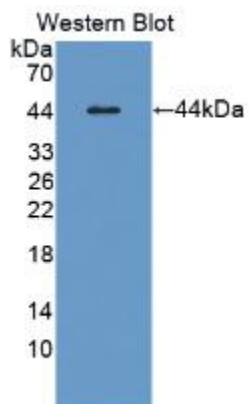


Figure . Western Blot; Sample: APA045Mu01; Antibody:PAA045Mu01

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.