

## 32-20153: Recombinant Murine GM-CSF(Discontinued)

**Reactivity :** Human, Mouse, Rat

**Alternative Name :** Granulocyte-Macrophage Colony-Stimulating Factor, CSF-2, MGI-1GM, Pluripoietin-Alpha

### Description

**Source:** **E.coli** GM-CSF is a hematopoietic growth factor that stimulates the development of neutrophils and macrophages, and promotes the proliferation and development of early erythroid megakaryocytic and eosinophilic progenitor cells. It is produced in endothelial cells, monocytes, fibroblasts and T-lymphocytes. GM-CSF inhibits neutrophil migration and enhances the functional activity of the mature end-cells. The human and murine molecules are species-specific and exhibit no cross-species reactivity. Recombinant Murine GM-CSF is a 14.2 kDa globular protein consisting of 125 amino acid residues.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity:  $\geq 98\%$  by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MAPTRSPITV TRPWKHVEAI KEALNLLDDM PVTLNEEVEV VSNEFSFKKL TCVQTRLKIF EQGLRGNFTK  
LKGALNMTAS YYQTYCPPTP ETDCEQVTT YADFIDSLKT FLTDIPFECK KPVQK

### Application Note

The  $ED_{50}$  as determined by the dose-dependent stimulation of the proliferation of murine FDC-P1 cells is  $\leq 0.05$  ng/ml, corresponding to a specific activity of  $\geq 2 \times 10^7$  units/mg.