



20190307BB

Anti-Human GM-CSF (#7U1)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M434
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of GM-CSF.

Target Background

Synonyms (Target):	CSF2; GMCSF; GM-CSF
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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 human GM-CSF is a 14.6 kDa globular protein consisting of 128 amino acids containing two intramolecular disulfide bonds and two potential N-linked glycosylation sites.

Database References Target

Protein RefSeq:	NP_000749
Uniprot ID:	P04141
mRNA RefSeq:	NM_000758

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#7U1)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	Recombinant human GM-CSF
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human GM-CSF.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, IHC (F), N

Recommended usage:

Western Blot: 1:500 - 1:1000

IHC (fozen): 1:50 - 1:200

Neutralization of GM-CSF bioactivity: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!