

Datasheet for 109-401-314**GM-CSF Antibody****Overview**

Description:	Anti-GM-CSF (RABBIT) Antibody - 109-401-314
Item No.:	109-401-314
Size:	1 mL
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Granulocyte Macrophage Colony Stimulating Factor (also known as GM-CSF, Colony-stimulating factor; CSF, sargramostim and molgramostin) is produced in response to a number of inflammatory mediators by mesenchymal cells present in the hemopoietic environment and at peripheral sites of inflammation. Granulocyte Macrophage-CSF is able to stimulate the production of neutrophilic granulocytes, macrophages, and mixed granulocyte-macrophage colonies from bone marrow cells and can stimulate the formation of eosinophil colonies from fetal liver progenitor cells. GM-CSF can also stimulate some functional activities in mature granulocytes and macrophages. GM-CSF receptors show significant homologies with other receptors for hematopoietic growth factors, including IL2-beta, IL-3, IL-6, IL-7, EPO and the Prolactin receptors.
Synonyms:	Molgramostin antibody, Pluripoietin Alpha antibody, Sargramostim antibody, Colony stimulating factor antibody, CSF 2 antibody, CSF Alpha antibody, Burst Promoting Activity antibody, rabbit anti-GM-CSF, rabbit anti-granulocyte-macrophage colony-stimulating factor antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	CSF2
Reactivity:	Human

Immunogen Type:	Recombinant Protein
Immunogen:	This whole rabbit serum was prepared by repeated immunizations with full length recombinant human GM-CSF.
Purity/Specificity:	This antiserum has been heated to 56°C for 30 minutes. The endotoxin content is estimated to be <10 pg/μl by the LAL method. In ELISA and other immunoreactive assays, this antiserum will recognize both native and recombinant human GM-CSF in cell supernatants and certain body fluids.
Relevant Links:	• NCBI - NP_000749.2 • UniProtKB - P04141 • GeneID - 1437

Application Details

Tested Applications:	WB
Application Note:	This antiserum against Human GM-CSF has been tested for use in immunoblotting. Reactivity is also expected in neutralizations, radioimmunoassay, ELISA and immunohistochemistry. This antibody is useful for neutralization of human GM-CSF in bioassays. For neutralization, it is recommended to incubate the sample with a 1:400 dilution of the antiserum for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG is recommended.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000 - 1:5,000
Neutralization:	User Optimized
WB:	1:500 - 1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	85 mg/mL by Refractometry
Buffer:	None
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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