OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA319314

GM CSF (CSF2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1,000 - 1:5,000, WB: 1:500 - 1:2,000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human GM-CSF protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	colony stimulating factor 2
Database Link:	NP_000749 Entrez Gene 1437 Human P04141
Synonyms:	GMCSF
Note:	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.

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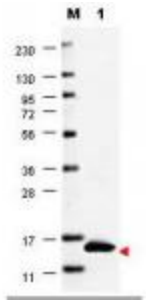
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, Fc epsilon RI signaling pathway, Hematopoietic cell lineage, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway

Product images:



WB using anti-Human GM-CSF antibody shows detection of a band ~15 kDa in size corresponding to recombinant human GM-CSF (lane 1). Molecular weight markers are also shown (M). After transfer, the membrane was blocked overnight with 3% BSA in TBS followed by reaction with primary antibody at a 1:1,000 dilution. Detection occurred using DyLight™649 conjugated anti-Rabbit IgG secondary antibody diluted 1:20,000 in blocking buffer.