

## Product datasheet for R1135

### GM CSF (CSF2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	<p>This antiserum against Human GM-CSF has been tested for use in Neutralizations, ELISA, Radioimmunoassays, Immunohistochemistry and Immunoblotting. Reactivity in other immunoassays is unknown.</p> <p><u>Recommended Dilutions:</u> This product has been assayed by immunoblot using HRP Goat-anti-Rabbit IgG [H&amp;L] and TMB as a substrate. A working dilution of 1:400 is suggested for this application. This product has been assayed by Immunohistochemistry. A dilution of 1:400 or greater is suggested for this immunoassay. Either paraffin fixation or cryofixation can be used for Immunohistochemistry. This product has been assayed by ELISA against GM-CSF using HRP Conjugated Anti-Rabbit IgG [H&amp;L] (Goat) and ABTS as a substrate for 30 minutes at room temperature. A working dilution range of 1:600 to 1:1,200 is suggested for this product. For use in ELISA formats, this antibody is best used as the second antibody in combination with a monoclonal antibody as a capture antibody. This product has been assayed by Radioimmunoassay against antigen. A dilution of 1:8,000 is suggested for this immunoassay.</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This whole rabbit serum dy was prepared by repeated immunizations with recombinant human GM-CSF produced in Chinese Hamster cells.
Specificity:	<p>This antiserum has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antiserum will recognize both native and recombinant human GM-CSF in cell supernatants and certain body fluids. This antibody is useful for neutralization of human GM-CSF in bioassays.</p> <p>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.</p>
Formulation:	State: Serum State: Liquid (sterile filtered) Serum
Concentration:	lot specific



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Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use. Avoid cycles of freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	colony stimulating factor 2
Database Link:	<a href="#">Entrez Gene 1437 Human P04141</a>
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:	CSF2, GMCSF, Sargramostim, Molgramostin
Note:	<b>Endotoxin Content:</b> < 10 pg/ml by LAL method.