

Product datasheet for **AM08177BT-N**

GM CSF (CSF2) Rat Monoclonal Antibody [Clone ID: BVD2-21C11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BVD2-21C11
Applications:	ELISA, FC, IF
Recommended Dilution:	ELISA Detection: Biotinylated Monoclonal antibody AM08177BT-N is the preferred detection antibody in a Sandwich ELISA for quantifying human GM-CSF protein levels. (Ref.1-4). It should be paired with purified with purified recombinant human GM-CSF as the standard. Immunofluorescence/Flow Cytometry: This antibody is useful for Intracytoplasmic staining and Flow Cytometric analysis to identify and enumerate GM-CSF-positive cells within mixed cell populations. Recombinant human GM-CSF (Cat#AM08177PU-N should be used as a Specificity Control.
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	E. coli-expressed human GM-CSF.
Specificity:	This antibody is specific to Human Granulocyte/Macrophage-Colony Stimulating Factor (GM-CSF)1-4. The BVD2-21C11 antibody has been reported to cross react with GM-CSF from Rhesus monkey. (This is a Neutralizing antibody).
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: Biotin State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	colony stimulating factor 2



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Database Link: [Entrez Gene 1437 Human P04141](#)

Background: 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 by 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.

Synonyms: CSF2, GMCSF, Sargramostim, Molgramostin