CSF2 Antibody (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	CSF2, Blocking Peptide
Full Product Name	CSF2 Antibody (Center) Blocking peptide
Product Gene Name	CSF2 blocking peptide
Product Synonym Gene Name	GMCSF
Product Synonym Names	Granulocyte-macrophage colony-stimulating factor; GM-CSF; Colony-stimulating factor; CSF; Molgramostin; Sargramostim; CSF2; GMCSF
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	CSF2 peptide (MBS9217790) is used for blocking the activity of CSF2 antibody (MBS9213440)
Molecular Weight	16,295 Da
OMIM	138960
Cellular Location	Secreted.
Related Product Information for CSF2 blocking peptide	Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.
Other Notes	Small volumes of CSF2 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CSF2 purchase	MBS9217790 is a blocking peptide targeting CSF2. Also known as CSF2 Antibody (Center) Blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSF2. It may not necessarily be applicable to this product.

NCBI GI #	117561
NCBI GeneID	1437
NCBI Accession #	P04141.1
UniProt Primary Accession #	P04141
UniProt Secondary Accession #	Q14CE8; Q2VPI8; Q8NFI6
UniProt Related Accession #	P04141
NCBI Official Full Name	Granulocyte-macrophage colony-stimulating factor
NCBI Official Synonym Full Names	colony stimulating factor 2
NCBI Official Symbol	CSF2
NCBI Official Synonym Symbols	GMCSF
UniProt Protein Name	Granulocyte-macrophage colony-stimulating factor
UniProt Synonym Protein Names	Colony-stimulating factor; CSF; Molgramostin; Sargramostim

Protein Family	Granulocyte-macrophage colony-stimulating factor
UniProt Gene Name	CSF2
UniProt Synonym Gene Names	GMCSF; GM-CSF; CSF
UniProt Entry Name	CSF2_HUMAN
NCBI Protein Information	granulocyte-macrophage colony-stimulating factor
NCBI Summary for CSF2	The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q- syndrome and acute myelogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. [provided by RefSeq, Jul 2008]
UniProt Comments for CSF2	GMCSF: Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes. Belongs to the GM-CSF family. Protein type: Secreted; Cytokine; Secreted, signal peptide Chromosomal Location of Human Ortholog: 5q31.1 Cellular Component: extracellular region Molecular Function: protein binding; protein-tyrosine kinase activity; Ras guanyl-nucleotide exchange factor activity Biological Process: MAPKKK cascade; myeloid dendritic cell differentiation; negative regulation of cytolysis; positive regulation of DNA replication; positive regulation of interleukin-23 production; positive regulation of tyrosine phosphorylation of Stat5 protein
Research Articles on CSF2	**1.** Honokiol could possess potential anti-inflammatory effects and inhibits TNF-alpha-induced IL-1beta, GM-CSF and IL-8 production in PBMCs from rheumatoid arthritis patients.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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