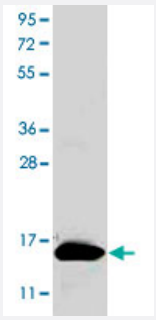
CSF2 polyclonal antibody

Catalog # PAB16920 Size 100 ug

Applications



Western Blot (Recombinant protein)

Western blot using Csf2 polyclonal antibody (Cat # PAB16920) shows detection of a band ~15 KDa in size corresponding to recombinant human Csf2. 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. Image was captured using VersaDoc™ MP 4000 imaging system (Bio-Rad).

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant CSF2.
Immunogen	Recombinant protein corresponding to full length human CSF2.
Host	Rabbit
Reactivity	Human
Form	Lyophilized
Recommend Usage	ELISA (1:1000-1:5000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with 0.1 mL of deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CSF2

Entrez GeneID	1437
Gene Name	CSF2
Gene Alias	GMCSF, MGC131935, MGC138897
Gene Description	colony stimulating factor 2 (granulocyte-macrophage)
Omim ID	138960
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	colony stimulating factor 2|granulocyte-macrophage colony stimulating factor|molgramostin|sargramostim

Publication Reference

- Genomic cloning, characterization, and multilineage growth-promoting activity of human granulocyte-macrophage colony-stimulating factor.

  Kaushansky K, O'Hara PJ, Berkner K, Segal GM, Hagen FS, Adamson JW.

  PNAS 1986 May; 83(10):3101.

- Cloning, sequence, and expression of a human granulocyte/macrophage colony-stimulating factor.

  Cantrell MA, Anderson D, Cerretti DP, Price V, McKereghan K, Tushinski RJ, Mochizuki DY, Larsen A, Grabstein K, Gillis S, et al..

  PNAS 1985 Sep; 82(18):6250.

- Isolation of cDNA for a human granulocyte-macrophage colony-stimulating factor by functional expression in mammalian cells.

  Lee F, Yokota T, Otsuka T, Gemmell L, Larson N, Luh J, Arai K, Rennick D.

  PNAS 1985 Jul; 82(13):4360.

Pathway

- 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

Disease

- Alzheimer disease
- Asthma
- Atherosclerosis
- Blindness
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Carcinoma

- Cardiovascular Diseases
- Chlamydia Infections
- Chorioamnionitis
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Erythema Nodosum
- Esophagitis
- Fetal Membranes
- Genetic Predisposition to Disease
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Metabolic Syndrome X
- Migraine Disorders
- Neoplasms
- Neovascularization
- Obesity
- Obstetric Labor
- Osteoporosis

- Pain
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Pulmonary Disease
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Syncytial Virus Infections
- Rhinitis
- Sarcoidosis
- Stroke
- Thyroid Neoplasms
- Trachoma
- Urinary Bladder Neoplasms
- Werner syndrome