P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

GM-CSF (Granulocyte/Macrophage - Colony Stimulating Factor); Clone BVD2-21C11
(Concentrate)

Availability/Contents:

Item #	Volume
RA0538-C.1	0.1 ml
RA0538-C.5	0.5 ml
RA0538-C1	1 ml

Description:

Species:	Rat.
Immunogen:	Recombinant human GM-CSF protein.
Clone:	BVD2-21C11
Isotype:	IgG2a, kappa.
Entrez Gene ID:	1437
Hu Chromosome Loc.:	5q31.1
Synonyms:	Burst Promoting Activity; Colony stimulating factor 2 (granulocyte-macrophage); Eosinophil Colony Stimulating Factor; Granulocyte Macrophage Colony Stimulating Factor; Molgramostin; Pluripoietin Alpha; Sargramostim.
Mol. Weight of Antigen:	22kDa.
Format:	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	Recognizes a protein of 22kDA identified as Granulocyte/macrophage - Colony-stimulating factor (GM-CSF).
Background:	GM-CSF is a hematopoietic factor that is produced by activated T-cells, B-cells, mast cells, macrophages, fibroblasts, and endothelial cells. In addition to supporting colony formation of granulocyte/macrophage progenitors, GM-CSF is a growth factor for erythroid, megakaryocyte, and eosinophil progenitors.
Species Reactivity:	Reacts with human, cynomolgus, and rhesus monkey. Others not known.
Positive Control:	Lymph node and tonsil.
Cellular Localization:	Secreted (extracellular).
Titer/ Working Dilution:	Immunohistochemistry (Frozen): 0.5-1 µg/ml
	Flow Cytometry: 0.5-1 µg/million cells
	Immunofluorescence: 0.5-1 µg/ml
	Western Blot 0.5-1 µg/ml
Microbiological State:	This product is not sterile.

Storage: 2° C 8° C

ScyTek Laboratories, Inc.
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Uses/Limitations:

Not to be taken internally.
For Research Use Only.
This product is intended for qualitative immunohistochemistry with normal and neoplastic frozen tissue sections, to be viewed by light microscopy.
Do not use if reagent becomes cloudy.
Do not use past expiration date.
Non-Sterile.

Ordering Information and Current Pricing at www.scytek.com

Procedure:

1. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.

2. **Visualization:** For maximum staining intensity we recommend the "CRF Anti-Polyvalent HRP Polymer (DAB) Lab Pack" (ScyTek catalog# CPP125, see IFU for instructions), combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions:

Contains Sodium Azide as a preservative (0.09% w/v).
Do not pipette by mouth.
Avoid contact of reagents and specimens with skin and mucous membranes.
Avoid microbial contamination of reagents or increased nonspecific staining may occur.
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

1. Abrams J, et al. 1992. Immunol. Rev. 127:5.
2. Abrams J, et al. 1994. Eosinophils in Allergy and Inflammation. Marcel Dekker New York. p.133.
3. Bacchetta R, et al. 1990. J. Immunol. 144:902.
4. Kita H, et al. 1991. J. Exp. Med. 174:745.
5. Andersson U, et al. 1999. Detection and quantification of gene expression. New York:Springer-Verlag.
6. Andersson J, et al. 1994. Immunology 83:16.

Warranty:

No products or "Instructions For Use (IFU)" are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

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