GM-CSF Monoclonal Rat Antibody (BVD2-21C11)

Product Description

Granulocyte/macrophage colony-stimulating factor (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. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors. Stock status: Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order. Catalog number key for antibody number 0662, Anti-GM-CSF (BVD2-21C11)

References

Note: References for this clone sold by other suppliers may be listed for expected applications.

- 1. J Immunol (2015) 194: 5085-5093. (Flow, intracellular; IF)
- 2. J Exp Med (1999) 190 (6): 875-880. (ELISA)

Product attributes

Call us: 800-304-5357 Email: btinfo@biotium.com

Product attributes				
Antibody number	#0662			
Antibody reactivity	GM-CSF			
(target) Antibody type	Primary			
Host species	Rat Monoclonal BVD2-21C11 IgG2a, kappa 22 kDa Burst Promoting Activity; Eosinophil Colony Stimulating Factor; Molgramostin; Pluripoietin Alpha; Sargramostim			
Clonality				
Clone				
Isotype				
Molecular weight				
Synonyms				
Human gene symbol	CSF2			
Entrez gene ID	1437			
SwissProt	P04141 1349			
Unigene				
Immunogen	Recombinant human GM-CSF protein Secreted (extracellular) Cynomolgus monkey, Human, Rhesus monkey			
Antibody target cellular				
Species reactivity				
Expected antibody applications	ELISA (published for clone), Flow (intracellular) (published for clone), IF (published for clone)			
Antibody application notes	Higher concentration may be required fo direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunoprecipitation: 0.5-1 ug/500 ug protein lysate, Immunofluorescence: 0.5-1 ug/mL, Immunofluorescence: 0.5-1 ug/mL, Flow Cytometry 0.5-1 ug/mllion cells/0.1 mL, Western biotting 0.5-1 ug/mL, Neutralization Studies order Ab without azide, Optimal dilution for a specific application should be determined by user			

Regulatory status For research use only (RUO)

Positive control

Shelf life

Shipping condition

Storage Conditions

Antibody/conjugate formulation

Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide, without azide.

Lymph node and tonsil

Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C

Guaranteed for at least 24 months from date of receipt when stored as recommended

Room temperature

Antibody research areas Cytokines, Immunology

Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified,	N/A	N/A	N/A	

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