

**bs-3790R****[ Primary Antibody ]****GM-CSF Rabbit pAb****BioSS**  
**ANTIBODIES**

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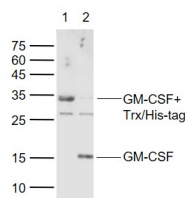
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 1437 <b>Target:</b> GM-CSF <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GM-CSF: 65-144/144. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> 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].	<b>Isotype:</b> IgG <b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Pig (predicted: Human, Mouse, Rat, Rabbit, Cow, Chicken, Dog, Recombinant protein) <b>Predicted MW.:</b> 14 kDa <b>Subcellular Location:</b> Secreted
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**— VALIDATION IMAGES —**

Sample: Lane 1: Recombined Trx/His-tag porcine GM-CSF protein (Aa18-144) at 2 ug  
Lane 2: Recombined His-tag porcine GM-CSF protein  
Primary: Anti-GM-CSF (bs-3790R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 33/15 kD  
Observed band size: 33/15 kD

**— SELECTED CITATIONS —**

- **[IF=19.572]** Hilgendorf et al. Innate response activator B cells aggravate atherosclerosis by stimulating T helper-1 adaptive immunity. (2014) Circulation. 129:1677-87 IHC ;Human. 24488984
- **[IF=11]** Anzai, Atsushi, et al. "The infarcted myocardium solicits GM-CSF for the detrimental oversupply of inflammatory leukocytes." Journal of Experimental Medicine (2017): jem-20170689. IHC ;Mouse. 28978634
- **[IF=10.79]** Anzai et al. The infarcted myocardium solicits GM-CSF for the detrimental oversupply of inflammatory leukocytes. (2017) J.Exp.Med. 214:3293-3310 IHC ;Mouse. 28978634
- **[IF=10.3]** Chuanqiang Wu. et al. Hypoxia inhibits the iMo/cDC2/CD8+ TRMs immune axis in the tumor microenvironment of human esophageal cancer. J IMMUNOTHER CANCER. 2024 Jul;12(7):e008889 IHC ;Human. 38964786

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=7.2]** Wang Deping. et al. Engineered inhaled nanocatalytic therapy for ischemic cerebrovascular disease by inducing autophagy of abnormal mitochondria. NPJ REGEN MED. 2023 Aug;8(1):1-14 Other ;. 37567914