

Datasheet: MCA1923

Description:	MOUSE ANTI SHEEP GM-CSF
Specificity:	GM-CSF
Other names:	GRANULOCYTE MACROPHAGE COLONY STIMULATING FACTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	8D8
Isotype:	IgG1
Quantity:	0.25 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			5ug/ml
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Sheep

Species Cross Reactivity

Does not react with: Bovine

Reacts weakly with: Horse, Goat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	CHO expressed recombinant ovine GM-CSF.
External Database Links	<p>UniProt: P28773 Related reagents</p> <p>Entrez Gene: 443400 CSF2 Related reagents</p>
RRID	AB_10614177
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the NS0 myeloma cell line.
Specificity	<p>Mouse anti Sheep GM-CSF antibody, clone 8D8 recognizes both recombinant and native ovine granulocyte / macrophage colony-stimulating factor (GM-CSF), also known as Colony stimulating factor (CSF).</p> <p>GM-CSF is one of several cytokines that regulate the survival, growth and differentiation of haemopoietic cells. GM-CSF is secreted from a range of cells including macrophages, T-cells, endothelial cells and fibroblasts in response to antigen, LPS or mitogen stimulation.</p> <p>Mouse anti Sheep GM-CSF antibody, clone 8D8 may be used as a capture antibody in ELISA assays with Mouse anti Sheep GM-CSF antibody, clone 3C2 (MCA1924) as a detection reagent for the evaluation of ovine GM-CSF.</p> <p>Mouse anti Sheep GM-CSF antibody, clone 8D8 has been reported to neutralize the activity of both recombinant and native ovine GM-CSF (Entrican <i>et al.</i> 1996). Removal of the preservative is recommended prior to use in functional assays.</p>
References	<ol style="list-style-type: none"> Entrican, G. <i>et al.</i> (1996) Development of a sandwich ELISA for ovine granulocyte/macrophage colony-stimulating factor. Vet Immunol Immunopathol. 50 (1-2): 105-15. Pedersen, L.G. <i>et al.</i> (2002) Identification of monoclonal antibodies that cross-react with cytokines from different animal species. Vet Immunol Immunopathol. 88 (3-4): 111-22. Scott, J.L. <i>et al.</i> (2007) Granulocyte-macrophage colony stimulating factor and interleukin-8 in the reproductive tract of ewes following oestrus and mating. Reprod Fertil Dev. 19: 585-93.

4. John, H.A. *et al.* (1994) Generation of an ovine bone marrow-derived myelomonocyte-like cell line by retroviral-mediated transformation. Immunological characterization and the effect of cytokines and lipopolysaccharides. [J Leukoc Biol. 55: 785-92.](#)
5. Deane, D. *et al.* (2000) Orf virus encodes a novel secreted protein inhibitor of granulocyte-macrophage colony-stimulating factor and interleukin-2. [J Virol. 74: 1313-20.](#)
6. Schnabel, C.L. *et al.* (2013) Evaluation of the reactivity of commercially available monoclonal antibodies with equine cytokines. [Vet Immunol Immunopathol. 156 \(1-2\): 1-19.](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

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Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR11...) [Biotin](#)

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