

Datasheet: MCA1924

Description:	MOUSE ANTI SHEEP GM-CSF
Specificity:	GM-CSF
Other names:	GRANULOCYTE MACROPHAGE COLONY STIMULATING FACTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3C2
Isotype:	IgG1
Quantity:	0.5 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	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Sheep
Species Cross Reactivity	<p>Reacts with: Bovine</p> <p>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.</p>
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 (NaN ₃)
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_323204
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the NSO myeloma cell line.
Specificity	<p>Mouse anti Sheep GM-CSF, clone 3C2 recognizes both recombinant and native ovine Granulocyte-macrophage colony-stimulating factor, also known GM-CSF or CSF, a 16.3kDa cytokine responsible for the stimulation and growth of cells from granulocyte, macrophage, eosinophil and erythrocyte hematopoietic precursor cell linages.</p> <p>Mouse anti Sheep GM-CSF, clone 3C2 has is of particular interest as it has been shown to reconize GM-CSF in cattle while other clones such as 8D8 do not crosss react with cattle..</p> <p>Mouse anti Sheep GM-CSF, clone 3C2 has been reported to neutralise the activity of both recombinant ovine and native GM-CSF.</p> <p>Removal of sodium azide is recommended prior to use in functional assays.</p>
ELISA	Mouse anti Sheep GM-CSF antibody, clone 3C2 (MCA1924 can be used in a sandwich ELISA as a capture antibody together with Mouse anti Sheep GM-CSF antibody, clone 8D8 (MCA1923) as the detection antibody. Conjugation of the detection antibody with LYNX Rapid or Rapid Plus Kits is recommended.
References	<ol style="list-style-type: none"> 1. John, H.A. <i>et al.</i> (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. 2. Haig, D.M. <i>et al.</i> (1995) Haemopoietic cell responses in the blood and bone marrow of sheep infected with the abomasal nematode <i>Teladorsagia circumcincta</i>. J Comp Pathol.

[112: 151-64.](#)

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4. 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.](#)
5. Kennedy, H.E. *et al.* (2002) Modulation of immune responses to Mycobacterium bovis in cattle depleted of WC1(+) gamma delta T cells. [Infect Immun. 70: 1488-500.](#)
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9. Scott, J.L. (2009) Spermatozoa and seminal plasma induce a greater inflammatory response in the ovine uterus at oestrus than dioestrus. [Reprod Fertil Dev. 21: 817-26.](#)
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Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

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Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1924>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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