

Datasheet: MCA919GA

Description:	MOUSE ANTI SHEEP CD16-Like
Specificity:	CD16-Like
Other names:	FcR111
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	VPM64
Isotype:	IgG1
Quantity:	0.1 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	■			1/25 - 1/200
Immunohistology - Frozen	■			Neat
Immunohistology - Paraffin			■	
ELISA	■			1/500
Immunoprecipitation	■			Neat
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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide.
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Ovine macrophages.

Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS0 myeloma cell line.
Specificity	Mouse anti Sheep CD16-Like, clone VPM64 recognizes a cell surface antigen of 65-80kDa which is similar to the human cell surface antigen designated as CD16. It has therefore been hypothesized that clone VPM64 may recognize the ovine homologue of human CD16 (Hopkins, J. et. al. 1996). Clone VPM64 recognizes an antigen that is strongly expressed by ovine alveolar macrophages and peripheral blood granulocytes, and more weakly by monocytes and other tissue macrophages. In addition to clone VPM64, clone KD1, an antibody directed against human CD16 and cross reacting with ovine and bovine CD16 is also available from Bio-Rad. Clone KD1 is available purified and conjugated to FITC.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul
References	1. Hopkins, J. & Gupta, V.K. (1996) Identification of three myeloid-specific differentiation antigens in sheep. Vet Immunol Immunopathol. 52 (4): 329-39. 2. Caroprese, M. et al. (2008) Technical note: immunomagnetic procedure for positive selection of macrophages in ovine milk. J Dairy Sci. 91:1908-12.
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.
Shelf Life	18 months from date of despatch
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

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC

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

Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN CD16:FITC \(MCA5665F\)](#)

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