Datasheet: MCA1659 BATCH NUMBER 148516

Description:	Cription: MOUSE ANTI SHEEP INTERLEUKIN-6	
Specificity:	IL-6	
Format:	Purified	
Product Type:	Monoclonal Antibody	
Clone:	4B6	
Isotype:	lgG1	
Quantity:	0.25 mg	

Product Details

Applications	This product has been reported to work in the following applications. This information is				ns. This information is	
	derived from testing within our laboratories, peer-reviewed publications or personal					
	communications from the	originato	rs. Pleas	e refer to references in	dicated for further	
	information. For general p	protocol r	ecommei	ndations, please visit <u>w</u>	ww.bio-	
	rad-antibodies.com/protocols.					
		Yes	No	Not Determined	Suggested Dilution	
	Flow Cytometry (1)	•				
	Immunohistology - Frozen					
	Immunohistology - Paraffin			-		
	ELISA	•			5ug/ml (as a coating antibody)	
	Immunoprecipitation			•		
	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. Suggested working dilutions are given as					
	a guide only. 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	Reacts with: Monkey					
Reactivity	N.B. Antibody reactivity a	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					

•	Purified IgG prepared by affinity chromatography on Protein G		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide		
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml		
Immunogen	Recombinant ovine IL-6.		
External Database Links	UniProt:P29455Related reagents		
	Entrez Gene: <u>443406</u> IL6 <u>Related reagents</u>		
RRID	AB_322149		
Specificity	Mouse anti Sheep Interleukin-6 antibody, clone 4B6 recognizes ovine interleukin-6 (IL-6) and has also been reported to recognise recombinant human IL-6 and bovine IL-6 transfected cells. Mouse anti Sheep Interleukin-6 antibody, clone 4B6 does not cross react with ovine IL-1 beta, IL-8, MCP-1 or TNF alpha.		
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul		
ELISA	MCA1659 may also be used in combination with <u>AHP424</u> in a sandwich ELISA assays for ovine IL-6.		

	<u>e0124390.</u>			
	8. Xu, A. et al. (2015) The Ovine Fetal and Placental Inflammato	ry Response to Umbilical		
	Cord Occlusions With Worsening Acidosis. Reprod Sci. 22 (11):	<u>1409-20.</u>		
	9. Dooley, L.M. et al. (2015) Effect of mesenchymal precursor ce	lls on the systemic		
	inflammatory response and endothelial dysfunction in an ovine m	nodel of collagen-induced		
	arthritis. <u>PLoS One. 10 (5): e0124144.</u>			
	10. Herry, C.L. et al. (2016) Temporal Patterns in Sheep Fetal He	eart Rate Variability		
	Correlate to Systemic Cytokine Inflammatory Response: A Metho	odological Exploration of		
	Monitoring Potential Using Complex Signals Bioinformatics. PLot	<u>S One. 11 (4): e0153515.</u>		
	11. Ciliberti, M.G. et al. (2017) Peripheral blood mononuclear cel	l proliferation and		
	cytokine production in sheep as affected by cortisol level and du	ration of stress. <u>J Dairy</u>		
	<u>Sci. 100 (1): 750-756.</u>			
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 repeate	ed 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			
Cuarantoo	12 months noni date of despatch			
Health And Safety	Ith And Safety Material Safety Datasheet documentation #10040 available at:			
Information	https://www.bio-rad-antibodies.com/SDS/MCA1659			
	10040			
Regulatory	For research purposes only			
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Related Products

Recommended Secondary Antibodies

Recommended Negative Controls	
Rabbit Anti Mouse IgG (STAR9)	<u>FITC</u>
Goat Anti Mouse IgG (H/L) (STAR117)	<u>FITC</u>
Rabbit Anti Mouse IgG (STAR13)	<u>HRP</u>
Rabbit Anti Mouse IgG (STAR12)	<u>RPE</u>

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South	Tel: +1 800 265 7376 Worldwide	Tel: +44 (0)1865 852 700 Europe	e Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751	Fax: +44 (0)1865 852 739	Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com	Email: antibody_sales_uk@bio-rad.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets M365587:200529'

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