Datasheet: MCA1660 BATCH NUMBER 149224

Description:	MOUSE ANTI SHEEP INTERLEUKIN-8
Specificity:	IL-8
Other names:	CXCL8
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	8M6
Isotype:	lgG2a
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 <u>www.bio-rad-antibodies.com/protocols</u>.

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		Yes	No	Not Determined	Suggested Dilution		
	Flow Cytometry (1)	-			1/10		
	Immunohistology - Frozen Immunohistology - Paraffin			•			
				•			
	ELISA				5ug/ml		
	Immunoprecipitation			•			
	Western Blotting						
	Functional Assays (2)						
	Where this product has n	ot been t	tested for	use in a particular tech	nnique 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.						
		ilization is required for this application. Bio-Rad recommend ™: (Product Code <u>BUF09A</u>) for this purpose.					
	the use of Leucoperm&						
	(2)Removal of the preser	(2)Removal of the preservative is recommended prior to use in functional assays -					
	Bio-Rad recommend the use of a <u>Slide-A-Lyser® dialysis cassette</u> for this purpose.						
Farget Species	Sheep						
Species Cross	Reacts with: Dog, Rabbit	, Bovine,	Pig, Mus	telid, Ferret, Mink, Cat			
eactivity	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	s from the	e originato	ors. Please refer to refe	erences indicated for		

	further information.
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant ovine IL-8.
External Database Links	UniProt: P36925 Related reagents Entrez Gene: 443418 IL8 Related reagents
Synonyms	CXCL8
RRID	AB_322152
Specificity	Mouse anti Ovine Interleukin-8 antibody, clone 8M6 recognizes ovine interleukin-8 (IL-8), also known as C-X-C motif chemokine 8. IL-8 is a 79 amino acid ~9-11 kDa chemoattractant for neutrophils, basophils and T-cells. IL-8 is produced by several cell types including neutrophils, monocytes and macrophages in response to inflammatory stimulation. Mouse anti ovine Interleukin-8 antibody, clone 8M6 shows no cross-reactivity with ovine IL-1 beta, IL-6, MCP-1 or TNF alpha. Responses to infectious stimuli may vary among ovine species, the response to <i>Mannheimia haemolytica</i> , a causative agent of pneumonia, peritonitis and gangrenous mastitis in ovids, is exaggerated in Bighorn sheep (<i>Ovis canadensis</i>) compared to
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Mouse anti Sheep Interleukin-8 antibody, clone 8M6 may be used in combination with AHP425 in sandwich ELISA assays for ovine IL-8.

References

ELISA

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production by porcine peripheral blood phagocytes. <u>Vet Immunol Immunopathol. 124:</u> <u>367-78.</u>

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inflammatory activation in *ex vivo* human and ovine fetal membranes. <u>Reproduction. 147</u> (3): 313-20.

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 <u>109-15.</u>

	 Erneholm, K. <i>et al.</i> (2016) Genital tract lesions in sexually mature Göttingen minipigs during the initial stages of experimental vaginal infection with <i>Chlamydia trachomatis</i> serovar D. <u>BMC Vet Res. 12 (1): 200.</u> Melville, J.M. <i>et al.</i> (2017) Human amnion epithelial cells modulate the inflammatory response to ventilation in preterm lambs. <u>PLoS One. 12 (3): e0173572.</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 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
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1660 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	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-ra	d.com	Email: antibody_sales_uk@bio-ra	d.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 M365588:200529'

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