

Datasheet: MCA2365A647

Description:	MOUSE ANTI BOVINE CD335:Alexa Fluor® 647
Specificity:	CD335
Other names:	NKp46
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	AKS1
Isotype:	lgG1
Quantity:	100 TESTS/1ml

Product Details

Applications	This product has been reported to work in the following applications. This informatio						
	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-</u> <u>rad-antibodies.com/protocols</u> .						
		Yes	No	Not Determined	Suggested Dilution		
	Flow Cytometry	•			Neat		
Where this product has not been tested for use in a particular technique this deneted for use in a particular technique this deneted a guide only. It is recommended that the user titrates the product for use in the system using appropriate negative/positive controls.							
Target Species	Bovine						
Species Cross Reactivity	Reacts with: American Bison 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 conjugated to Alexa Fluor® 647 - liquid						
Max Ex/Em	Fluorophore	Excitation M	ax (nm) E	mission Max (nm)			
	Alexa Fluor®647	650		665			
Preparation	Purified IgG prepared b supernatant	y affinity chr	omatograp	bhy on Protein A from	tissue culture		
Buffer Solution	Phosphate buffered sali	ine					

Preservative Stabilisers	0.09% sodium azide (NaN ₃) 1% bovine serum albumin
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml
Immunogen	Fusion protein consisting of the extracellular region of bovine CD335.
External Database Links	UniProt: <u>Q863H2</u> <u>Related reagents</u> Entrez Gene: <u>369024</u> NCR1 <u>Related reagents</u>
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the NS-0 myeloma cell line.
Specificity	Mouse anti Bovine CD335 antibody, clone AKS1 recognizes bovine CD335, also known as NKp46 and Natural cytotoxicity triggering receptor 1. CD335 is a type I transmembrane protein, with two extracellular C2-type immunoglobulin-like domains, which functions as an activating receptor. CD335 is expressed by human natural killer cells (Sivori <i>et al.</i> 1997). The bovine homologue is expressed on bovine NK cells (Storset <i>et al.</i> 2004) and no expression of CD335 has been detected on B cells, T cells, monocytes or granulocytes. Clone AKS1 is reported to activate lysis of FcgammaR-expressing cell line P815, by IL-2 activated NKp46+ cells (Storset <i>et al.</i> 2004).
Flow Cytometry	Use 10µl of the suggested working dilution to label 10^6 cells in $100µ$ l
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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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2365A647 10041		
Regulatory	For research purposes only		

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 (MCA928A647)

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-rad.com	Email: antibody_sales_uk@bio-rad.com	Email: antibody_sales_de@bio-rad.com

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