

Datasheet: MCA2221GA

Description:	MOUSE ANTI SHEEP CD45R
Specificity:	CD45R
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	20.96
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	▪			1/50 - 1/100

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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Sheep thymocytes
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS-1

myeloma cell line

Specificity	Mouse anti Sheep CD45R antibody, clone 20.96 recognizes the ovine CD45R cell surface antigen, a ~220 kDa glycoprotein, expressed by all B lymphocytes and a subset of T lymphocytes. In immunohistochemical staining the antibody labels all lymphocytes within the B cell follicles as well as scattered cells in interfollicular areas.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul
References	<ol style="list-style-type: none">1. Lee, C.S. <i>et al.</i> (1988) Identification of a unique lymphocyte subpopulation in the sheep uterus. Immunology. 63: 157-64.2. Dutia, B.M. <i>et al.</i> (1993) Analysis of the monoclonal antibodies comprising WC6. Vet Immunol Immunopathol. 39: 193-9.3. Leemans, I. <i>et al.</i> (2001) Comparative studies on surface phenotypes of Theileria lestoquardi and T. annulata schizont-infected cells. Parasitol Res. 87: 768-77.4. Sedgmen, B.J. <i>et al.</i> (2002) Cellular and molecular characterisation of the ovine rectal mucosal environment. Vet Immunol Immunopathol. 86: 215-20.5. Debes, G.F. <i>et al.</i> (2005) Chemokine receptor CCR7 required for T lymphocyte exit from peripheral tissues. Nat Immunol. 6: 889-94.6. Boppana, D.K. <i>et al.</i> (2005) Cellular infiltration at skin lesions and draining lymph nodes of sheep infested with adult <i>Hyalomma anatolicum anatolicum</i> ticks. Parasitology. 131: 657-67.7. Tanaka, Y. <i>et al.</i> (2008) Sustained macroscopic engraftment of cynomolgus embryonic stem cells in xenogeneic large animals after in utero transplantation. Stem Cells Dev. 17: 367-81.8. Olivier, M. <i>et al.</i> (2012) Capacities of Migrating CD1b Lymph Dendritic Cells to Present Salmonella Antigens to Naive T Cells. PLoS One. 7: e30430.9. Lacroux, C. <i>et al.</i> (2012) Prionemia and leukocyte-platelet-associated infectivity in sheep transmissible spongiform encephalopathy models. J Virol. 86 (4): 2056-66.10. Flameng, W. <i>et al.</i> (2014) Coating with fibronectin and stromal cell-derived factor-1α of decellularized homografts used for right ventricular outflow tract reconstruction eliminates immune response-related degeneration. J Thorac Cardiovasc Surg. 147 (4): 1398-404.e2.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. 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: 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 IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

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