

Datasheet: MCA2222F

Description:	MOUSE ANTI SHEEP WC1:FITC
Specificity:	WC1
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	19.19
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

RRID AB_324145

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	▪			Neat

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 Reactivity Reacts with: Bovine, Goat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

Preparation Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.1 mg/ml

Immunogen Ovine thymocytes.

**External Database
Links**

UniProt:
[Q9BDF1](#) [Related reagents](#)

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.

Specificity **Mouse anti Sheep WC1 antibody, clone 19.19** recognizes the ovine WC1 cell surface antigen, a ~215 kDa glycoprotein, expressed by a population of gamma/delta T lymphocytes ([Wijngaard et al.1992](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 1 x 10⁶ cells in 100ul.

References

1. Mackay, C.R. *et al.* (1986) Three distinct subpopulations of sheep T lymphocytes. [Eur J Immunol. 16 \(1\): 19-25.](#)
2. Mackay, C.R. *et al.* (1987) A monoclonal antibody to the p220 component of sheep LCA identifies B cells and a unique lymphocyte subset. [Cell Immunol. 110 \(1\): 46-55.](#)
3. La Manna, M.P. *et al.* (2011) Expansion of intracellular IFN- γ positive lymphocytes during *Mycoplasma agalactiae* infection in sheep. [Res Vet Sci. 91 \(3\): e64-7.](#)

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.

This product is photosensitive and should be protected from light. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 18 months from date of despatch.

**Health And Safety
Information** Material Safety Datasheet documentation #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

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