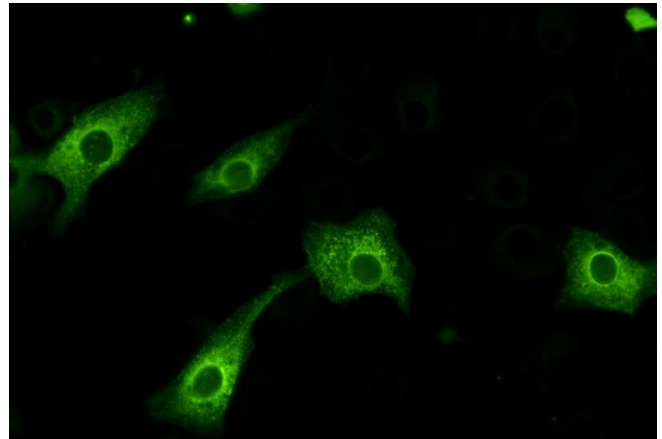


D89 Bovine Viral Diarrhea Virus (BVDV) gp55

Monoclonal Antibody (MAb)

Catalog No.:	D89
Specificity:	BVDV
Epitope:	gp55
Isotype:	IgG _{2a}
Species of Origin:	Murine
Volume:	Increments of 0.1 mg
Preservative:	0.09% Sodium Azide
Shelf Life:	1 year when stored at 2-7°C



Description:

This monoclonal antibody reacts with gp55 of Bovine Viral Diarrhea Virus (BVDV). It is made using the NADL strain that binds to most BVDV strains but not Oregon C24V. It is produced as mouse ascites fluid, clarified by centrifugation, and filtered through a 0.2 µm filter. The antibody concentration is 1.0 mg/ml, in phosphate-buffered saline (PBS), stabilized with 4 mg/ml bovine serum albumin (BSA), and preserved with 0.09% sodium azide (NaN₃).

Known Applications:

Flow cytometry, immunofluorescence, immunohistochemistry, virus neutralization.

Storage:

This monoclonal antibody is provided in liquid form and should be stored at 2-7°C. DO NOT FREEZE!

References:

- Magar R, Minocha HC, Montpetit C, et al. Typing of cytopathic and noncytopathic bovine viral diarrhea virus reference and Canadian field strains using a neutralizing monoclonal antibody. *Can J Vet Res* 1988;52.(1): 42-45.
- Vickers ML, Minocha HC. Diagnosis of bovine viral diarrhea virus infection using monoclonal antibodies. *J Vet Diag Invest* 1990; 2(4):300-302.
- Xue W, Zhang S, Minocha HC. Characterization of a putative receptor protein for bovine viral diarrhea virus. *Vet Microbiol* 1997;57(2-3):105-118.
- Zheng L, Shang S, Xue W, et al. Expression of a 50 kDa putative receptor for bovine viral diarrhea virus in bovine fetal tissues. *Can J Vet Res* 1998;62(2):156-159.

Technical Data Sheet Version: Version 1

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09 May 2018