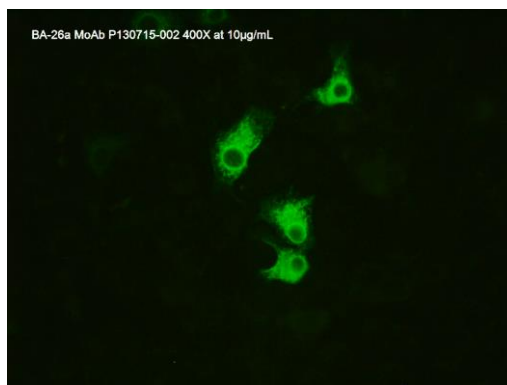
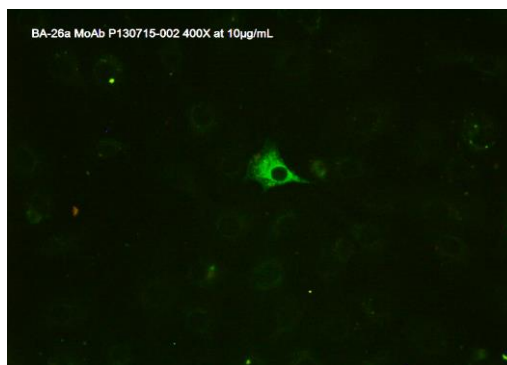


CERTIFICATE OF ANALYSIS

BA-26(A)

Monoclonal Antibody

Catalog No.:	BA-26(A)
Lot:	P130715-002
Isotype:	IgG ₁
Expiration:	1 year when stored at 2-7°C



Specificity:

Bovine Viral Diarrhea Virus Type 1&2 (BVDV-1&2)
MAb Ascites E2 gp53 IgG1 Isotype. Note:
Reacts primarily with BVDV-2, but may also react
weakly with some BVDV-1 strains (1).

Known Applications:

Can be used as a reagent to detect both BVDV1
and BVDV2 using indirect immunofluorescence or
indirect immunoperoxidase reactions. Does not
work with formalin-fixed tissues.

Description:

This monoclonal antibody 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).

Quality Control Method:

Indirect FA using BVDV-1 (Modderman) 12-well in house slide, BVDV-2 (TN131) 12-well in house slide,
isotype control IgG1 and anti-murine affinity purified conjugate (catalog no. CJ-F-MURG-AP-1ML or 10ML).
Mouse Immunoglobulins IgG₁ kit.

Specific Reaction: 1+ fluorescence at 10 µg/ml on BVDV-1. 1-4+ fluorescence at 10 µg/ml on BVDV-2.
The isotype control was negative with no background. The RID test showed a
concentration of 1.192 mg/ml.

Other Comments: NA

Pattern Of Fluorescence:

Individual cells with smooth, undifferentiated and/or “ground glass” cytoplasmic fluorescence.

Storage:

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

References:

- 1) Deregts, D., *et al.* Mapping of a type 1-specific and a type-common epitope on the E2 (gp53) protein of bovine viral diarrhoea virus with neutralization escape mutants. *Virus Research* 53(1):81-90 (Jan. 1998).
- 2) Deregts, D., and S. Prins. A monoclonal antibody-based immunoperoxidase layer (micro-isolation) assay for detection of type 1 and type 2 bovine viral diarrhoea viruses. *Can. J. Vet. Res.* 62(2):152-155 (Apr. 1998).
- 3) Deregts, D., *et al.* Monoclonal antibodies to the E2 protein of a new genotype (type 2) of bovine viral diarrhoea virus define three antigenic domains involved in neutralization. *Virus Research* 57(2):171-181 (Oct. 1998).

FOR *IN VITRO* LABORATORY USE ONLY.

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19 November 2013