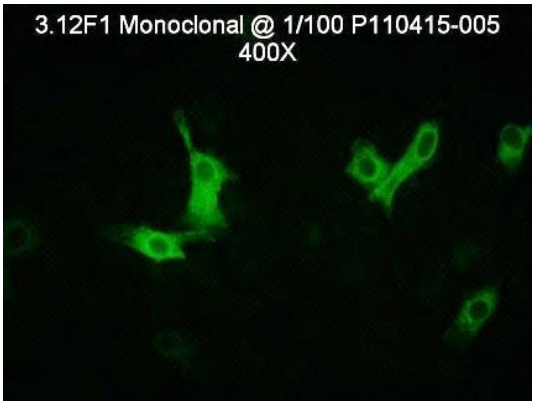
Veterinary Medical
Research & Development

CERTIFICATE OF ANALYSIS

3.12F1

Monoclonal Antibody

Catalog No. / Cell Line:	3.12F1
Lot:	P110415-005
Isotype:	IgG_1



Specificity:

Bovine viral diarrhea virus (BVDV-1 and BVDV-2)

Known Applications:

Can be used as a reagent to detect both BVDV-1 and BVDV-2 using indirect immunofluorescence, IHC and ELISA.

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 approximately 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 (NaN_3).

Quality Control Method:

Indirect FA using BVDV 12-well slide (catalog no. SLD-IFA-BVD), Isotype Control IgG_1 (1.0 mg/ml), and Anti-Mouse AP Conjugate (catalog no. CJ-F-MURG-AP-10ML). Test in RID IgG_1 for isotype mg/ml concentration.

Specific Reaction: 1-4+ fluorescence with no background at 10 µg/ml. The endpoint concentration was 1-2+ at 0.1 µg/ml. The RID determined 1.21 mg/ml of IgG_1.

Other Comments: NA

Pattern of Fluorescence:

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

Storage:

When the vial is stored at 2-7°C, it should be stable for one year.

References:

Passler T, Walz PH, Ditchkoff SS, *et al.* Evaluation of hunter-harvested white-tailed deer for evidence of bovine viral diarrhea virus infection in Alabama. *J Vet Diagn Invest.* 2008 Jan;20(1):79-82.

Blas-Machado U, Saliki JT, Duffy JC, *et al.* Bovine viral diarrhea virus type 2-induced meningoencephalitis in a heifer. *Vet Pathol.* 2004 Mar;41(2);190-4.

FOR *IN VITRO* LABORATORY USE ONLY.

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