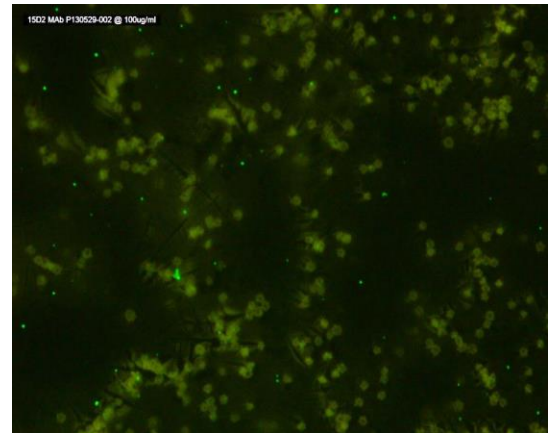


CERTIFICATE OF ANALYSIS

15D2

Monoclonal Antibody

Catalog No.:	15D2
Lot:	P130529-002
Isotype:	IgG ₃



Specificity:

Anaplasma marginale Antigen MSP1

Known Applications:

Immunoprecipitation, western blot and immunofluorescence.

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 *Anaplasma marginale* 12-well in house slide, bovine serum sample in house control @ 1/50 in FASDB, and Anti-Mouse FITC conjugate (catalog no. CJ-F-MURG-AP-1ML or 10ML). The concentration was tested in RID with a mouse Immunoglobulins kit IgG₃.

Specific Reaction: 2-3+ fluorescence at 10 µg/ml, no background. Endpoint concentration is less than 1.0 µg/ml. The RID test showed a concentration of 1.7 mg/ml.

Other Comments: NA

Pattern Of Fluorescence:

Bright pinpoint fluorescence. Primarily free elementary bodies with some cytoplasmic inclusions.

Storage:

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

References: McGuire, T.C., *et al.* Common and isolate-restricted antigens of *Anaplasma marginale* detected with monoclonal antibodies. *Infection and Immunity* 45(3):697-700 (Sept. 1984).

FOR IN VITRO LABORATORY USE ONLY.

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03 July 2013