



**VMRD**

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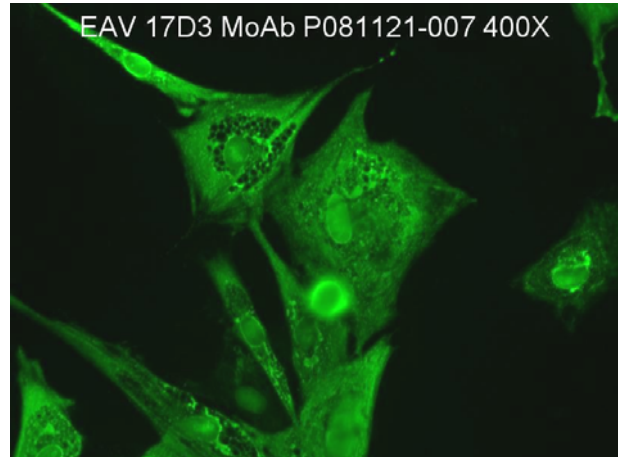
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## Certificate of Analysis

### MONOCLONAL ANTIBODY

**CELL LINE:** EAV 17D3  
**SPECIFICITY:** Nucleocapsid (N) protein of  
Equine Arteritis Virus  
(EAV)  
**ISOTYPE:** IgG1  
**LOT:** P081121-007  
**KNOWN VIRUS** Bucyrus strain.  
**REACTIVITY:**



**APPLICATIONS:** Indirect fluorescence assays (IFA), Western blot, competitive binding assays.

**Note:** Equine arteritis virus causes symptoms such as fever, anorexia, oedema of the ventral body, nasal discharge, lacrimation, conjunctivitis and abortion of fetuses.

#### REFERENCES:

Deregt, D., *et al.* Monoclonal antibodies to equine arteritis virus proteins identify the G<sub>L</sub> protein as a target for virus neutralization. *J. Gen. Virol.* 75(9):2439-2444 (Sept. 1994).

**DESCRIPTION AND HANDLING:** This monoclonal antibody is produced as mouse ascites fluid, clarified by centrifugation, and filtered through a 0.2 µM filter. The concentration is 1.0 mg/ml in phosphate-buffered saline, containing 4 mg/ml BSA, and preserved with sodium azide.

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

**QUALITY CONTROL METHOD: ):** Indirect FA using EAV slide (Bucyrus strain) and rabbit anti-mouse IgG FITC conjugate (VMRD catalog no. 095-1 or 095-10).

**Result:** 4+ positive fluorescence at 1:100 dilution in FA Conjugate  
Diluting Buffer (VMRD catalog no. 210-91-CB).

**Other Reactions or Comments:** No background; 1-2+ fluorescence at 1:10,000 dilution.

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