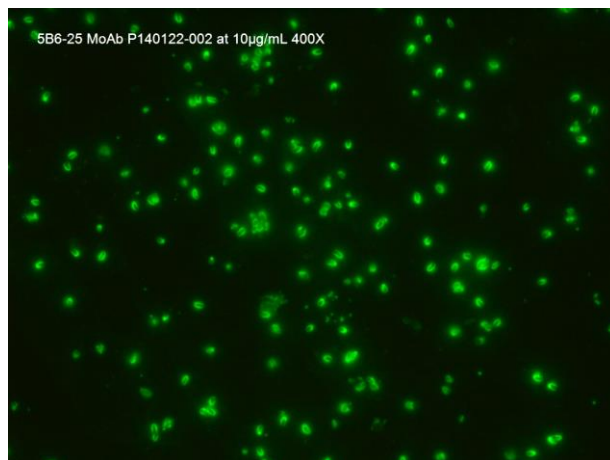


CERTIFICATE OF ANALYSIS

5B6-25

Monoclonal Antibody

Catalog No.:	5B6-25
Lot:	P140122-002
Isotype:	IgG <sub>1</sub>
Expiration:	1 year when stored at 2-7°C



**Specificity:**

*Neospora caninum* MAb Ascites gp65 IgG<sub>1</sub> Isotype.

**Known Applications:**

ELISA, postmortem immunohistochemical analysis, indirect immunofluorescence, Western blot and dot blot.

**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 (NaN<sub>3</sub>).

**Quality Control Method:**

IFA using *Neospora caninum* 12-well slide (catalog no. SLD-IFA-NC), isotype control IgG<sub>1</sub> and anti-murine IgG FITC affinity purified conjugate (catalog no. CJ-F-MURG-AP-1ML or 10ML). Mouse Immunoglobulins IgG<sub>1</sub> RID kit.

**Specific Reaction:** 3-4+ fluorescence at 10 µg/ml with an endpoint concentration less than 0.01 µg/ml. The RID results showed a concentration of 1.069 mg/ml.

**Other Comments:** NA

**Pattern Of Fluorescence:**

Organisms with bright diffuse or peripheral fluorescence.

**Storage:**

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

**References:**

Baszler TV, Adams DS, Vander-Schalie J, et al. Validation of a Commercially Available Monoclonal Antibody-Based Competitive-Inhibition Enzyme-Linked Immunosorbent Assay for Detection of Serum Antibodies to *Neospora caninum* in Cattle. *J Clin Microbiol* 2001;39(11):3851-3857.

Immunohistochemistry Procedure for  
*Neospora caninum* (gp65) Monoclonal Antibody 5B6  
[courtesy of Washington Animal Disease Diagnostic Laboratory]

AGENT	<i>Neospora caninum</i>
CLINICAL DISEASE	Bovine abortion
HYDROGEN PEROXIDE BLOCK	3% in water <b>after antigen retrieval step</b> / 5 minutes / room temperature
ANTIGEN RETRIEVAL BUFFER	0.06% Pronase (Sigma P-5147) / 10 minutes / 37°C
ANTIBODY DILUENT	Dako tris-buffered saline (TBS) 1% filtered bovine serum albumin (BSA)
PRIMARY – POSITIVE	5B6 monoclonal antibody (use at 1.25 µg/ml—dilute in 1% BSA) / 45 minutes / room temperature
PRIMARY – NEGATIVE	Isotype-matched (IgG1) monoclonal antibody (use at 1.25 µg/ml—dilute in 1% BSA) / 45 minutes / room temperature
LABELED POLYMER	Dako Envision + K4001 anti-mouse HRP-labeled polymer,/ 30 minutes / room temperature
CHROMOGEN	Dako K3464 ready-to-use AEC chromogen / 1X 5 minutes / room temperature
POSITIVE CONTROL TISSUE	Cell culture zoites / formalin-fixed / paraffin-embedded

NOTES: Percentage of positive foci is low in tissues; replicate sections may be required.  
DOES NOT cross-react with *Toxoplasma* or *Sarcocystis*.