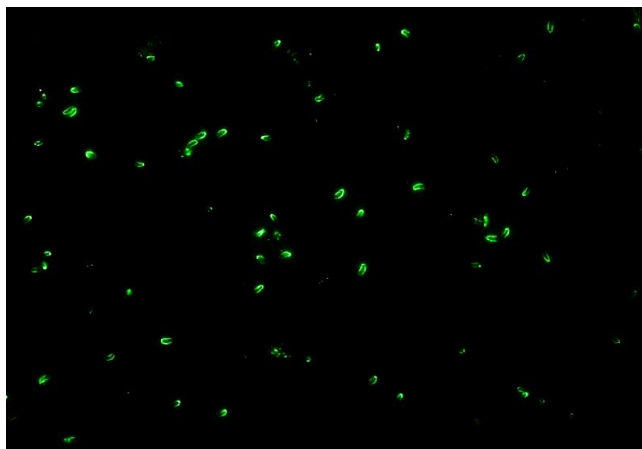


5B6-25 *Neospora caninum* gp65

Monoclonal Antibody (MAb)

Catalog No.:	5B6-25
Specificity:	<i>Neospora caninum</i>
Epitope:	Unmapped on gp65
Isotype:	IgG ₁
Species of Origin:	Murine
Volume:	Increments of 0.1 mg
Preservative:	0.09% Sodium Azide
Shelf Life:	1 year when stored at 2-7°C



Description:

This monoclonal antibody reacts with a 65 kD glycoprotein (gp65) of *Neospora caninum*. It does not react with *Toxoplasma* or *Sarcocystis* spp. The MAb 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).

Known Applications:

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

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.

Technical Data Sheet Version:

Version 1

FOR IN VITRO LABORATORY USE ONLY.

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16 October 2014

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 after antigen retrieval step / 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*.