

Certificate of Analysis for NR-50255

Monoclonal Anti-*Toxoplasma gondii* Surface Antigen 1 Protein, Clone T4 1E5 (produced *in vitro*)

Catalog No. NR-50255

Product Description: Antibody Class: IgG3κ

Mouse monoclonal antibody prepared against the surface antigen 1 (SAG1) protein of *Toxoplasma gondii* (*T. gondii*) clone T4 1E5 was purified from hybridoma supernatant by protein G affinity chromatography.

Lot¹: 64289050

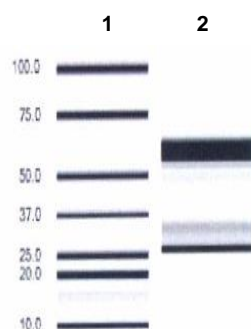
Manufacturing Date: 24JAN2017

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG3κ
Experion Pro260 Analysis Average Purity	Correct molecular weight (MW) for heavy and light chains Report results	Correct molecular weight (MW) for heavy and light chains (Figure 1) 96.3% pure
Concentration by Spectrophotometer at OD ₂₈₀	≥ 1.0 mg per mL	1.2 mg per mL
Functional Activity by Immunofluorescence Assay ² <i>T. gondii</i> –infected human skin fibroblast cells with NR-50255 <i>T. gondii</i> –infected human skin fibroblast cells with FITC-conjugated goat anti-mouse IgG	Reactive Nonreactive	Reactive; surface and cell membrane specific staining (Figure 2) Nonreactive; no specific staining of parasites
Sterility	0.22 μm filter-sterilized	0.22 μm filter-sterilized

¹Mouse monoclonal antibody was purified using protein G affinity chromatography from supernatants obtained from mouse hybridoma clone T4 1E5 adapted to serum-free media.

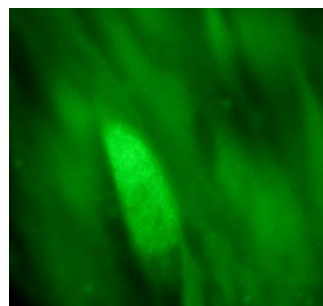
²Specific labeling of *T. gondii* cells with NR-50255 and FITC was observed after infection of human skin fibroblast cells (ATCC® CRL-1634™) with *T. gondii* (ATCC® PRA-310™). NR-50255 was used at a dilution of 1:500, followed by FITC-conjugated goat anti-mouse IgG (Invitrogen® A16073) as secondary antibody (1:2000).

Figure 1: Experion Pro260 Analysis



Lane 1: Pro260 Ladder
Lane 2: NR-50255

Figure 2: Immunofluorescence Assay of *T. gondii* Infected Fibroblast Cells



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Date: 28 JUL 2017

Signature:



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