

Monoclonal Anti-*Toxoplasma gondii* Surface Antigen P35 Protein, Clone T4 3F12 (produced *in vitro*)

Catalog No. NR-50259

Product Description: Antibody Class: IgG2ak

Mouse monoclonal antibody prepared against the surface antigen P35 protein of *Toxoplasma gondii* (*T. gondii*) clone T4 3F12 was purified from the hybridoma supernatant by protein G affinity chromatography.

Lot¹: 70000301

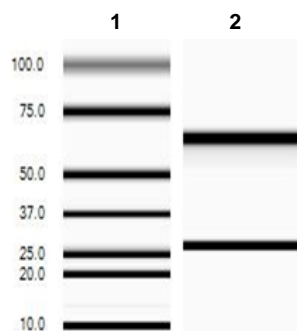
Manufacturing Date: 02MAR2017

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2ak
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) 100% pure
Concentration by Spectrophotometer at OD₂₈₀	≥ 1.0 mg per mL	1.0 mg per mL
Functional Activity by Immunofluorescence Assay² <i>T. gondii</i> infected human skin fibroblast cells with NR-50259 <i>T. gondii</i> infected human skin fibroblast cells with FITC-conjugated goat anti-mouse IgG	Reactive Nonreactive	Reactive; specific staining of tachyzoites in parasitophorous vacuole (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 3F12 adapted to serum-free media.

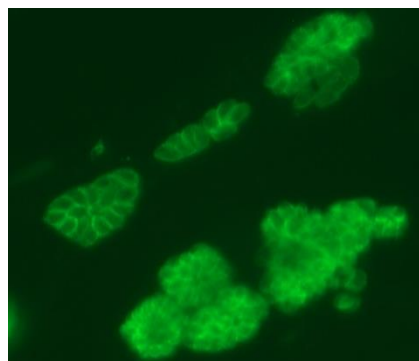
²Specific labeling of *T. gondii* cells with NR-50259 and FITC was observed after infection of human skin fibroblast cells (ATCC® CRL-1634™) with *T. gondii* (ATCC® PRA-310™). NR-50259 was used at a dilution of 1:500, followed by FITC-conjugated goat anti-mouse IgG (Invitrogen® A16073) as secondary antibody (1:2000).

Figure 1: Experion Pro260 Analysis



Lane 1: Pro260 Ladder
Lane 2: NR-50259

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



Certificate of Analysis for NR-50259

Date: 19 SEP 2017

Signature: 

BEI Resources Authentication

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