

Monoclonal Anti-*Toxoplasma gondii* Dense Granule Antigen 3, Clone T6 2H11 (produced *in vitro*)

Catalog No. NR-50269

Product Description: Antibody Class: IgG2bk

Mouse monoclonal antibody prepared against the dense granule antigen 3 (GRA3) of *Toxoplasma gondii* (*T. gondii*) clone T6 2H11 was purified from the hybridoma supernatant by protein G affinity chromatography.

Lot¹: 70002907

Manufacturing Date: 31MAR2017

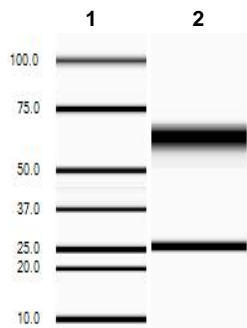
TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2bk
Experion Pro260 Analysis Average Purity	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 99.4% pure
Concentration by Spectrophotometer at OD₂₈₀	≥ 1.0 mg per mL	0.6 mg per mL ²
Functional Activity by Immunofluorescence Assay³ <i>T. gondii</i> infected human skin fibroblast cells with NR-50269 <i>T. gondii</i> infected human skin fibroblast cells with FITC-conjugated goat anti-mouse IgG	Reactive Nonreactive	Reactive; staining within parasitophorous vacuole and between tachyzoites (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 T6 2H11 adapted to serum-free media.

²BEI Resources has not had problems with samples that are slightly below the current specifications for concentration. Please contact@beiresources.org if there are any concerns with this lot and its suitability for your application.

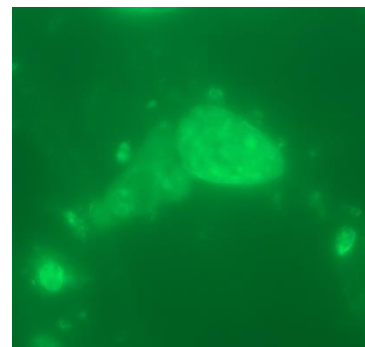
³Specific labeling of *T. gondii* cells with NR-50269 and FITC was observed after infection of human skin fibroblast cells (ATCC[®] CRL-1634[™]) with *T. gondii* (ATCC[®] PRA-310[™]). NR-50269 was used at a dilution of 1:500, followed by FITC-conjugated goat anti-mouse IgG (Invitrogen[®] A16073) as secondary antibody (1:2000).

Figure 1: Experion Pro260 Analysis



Lane 1: Pro260 Ladder
Lane 2: NR-50269

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



12 MAR 2018

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