

**Monoclonal Anti-*Leishmania pifanoi*, Strain LtRod-CI-A3 (MHOM/VE/60/LtRod-CI-A3), Clone P-8 (produced *in vitro*)**

**Catalog No. NR-50157**

**Product Description:** Antibody Class: IgG1k

Mouse monoclonal antibody prepared against *Leishmania pifanoi* (*L. pifanoi*) strain LtRod-CI-A3 (MHOM/VE/60/LtRod-CI-A3) was purified from the hybridoma supernatant by protein A affinity chromatography.

**Lot<sup>1</sup>: 70016411**

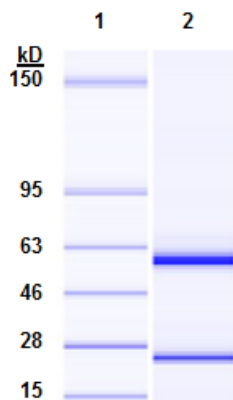
**Manufacturing Date: 27JUL2018**

TEST	SPECIFICATIONS	RESULTS
<b>Antibody Class Determination</b>	Report results	IgG1k
<b>Agilent® Protein 230 Analysis</b> Average Purity	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 97.0% pure
<b>Concentration by Spectrophotometer at OD<sub>280</sub></b>	≥ 1.0 mg per mL	1.3 mg per mL
<b>Functional Activity by Immunofluorescence Assay<sup>2</sup></b> <i>L. pifanoi</i> -infected mouse macrophage cells with NR-50157 <i>L. pifanoi</i> -infected mouse macrophage cells with fluorescein isothiocyanate (FITC)-conjugated goat anti-mouse IgG	Reactive Nonreactive	Reactive; staining of <i>Leishmania</i> promastigotes (Figure 2) Nonreactive; no specific staining of <i>Leishmania</i> promastigotes (Figure 2)
<b>Sterility</b>	0.22 µm filter-sterilized	0.22 µm filter-sterilized

<sup>1</sup>Mouse monoclonal antibody was purified using protein A affinity chromatography from supernatants obtained from mouse hybridoma adapted to serum-free media.

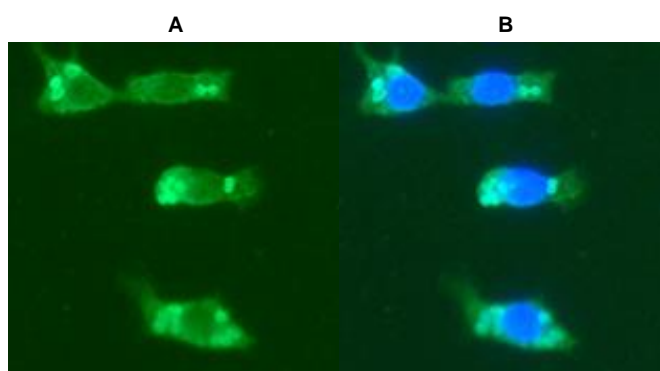
<sup>2</sup>Specific labeling of *L. pifanoi* promastigotes with NR-50157 and FITC was observed after culturing of *L. pifanoi*, (MHOM/VE/57/LL1) (ATCC® 50123™ lot 125515) for 2 days (Figure 2A). NR-50157 was used at a dilution of 1:500, followed by FITC-conjugated goat anti-mouse IgG (Invitrogen® A16073) as secondary antibody (1:2000). The overlaid 4',6-diamidino-2-phenylindole (DAPI)-stained image is shown in Figure 2B.

**Figure 1: Agilent® Protein 230 Analysis**



Lane 1: Protein 230 Ladder  
Lane 2: NR-50157

**Figure 2: Immunofluorescence Assay of *Leishmania* Promastigotes**



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18 JAN 2019

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