

Monoclonal Anti-*Leishmania panamensis*/*Leishmania braziliensis*, Strain M2903 (MHOM/BR/75/M2903), Clone B-12 (produced *in vitro*)

Catalog No. NR-50151

Product Description: Antibody Class: IgG1κ

Mouse monoclonal antibody prepared against *Leishmania panamensis* (*L. panamensis*)/*Leishmania braziliensis* (*L. braziliensis*), strain M2903 (MHOM/BR/75/M2903), clone B-12 was purified from the hybridoma supernatant by protein G affinity chromatography.

Lot¹: 70007575

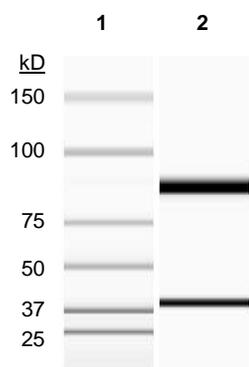
Manufacturing Date: 13SEP2017

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1κ
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) 97.0% pure
Concentration by Spectrophotometer at OD₂₈₀	≥ 1.0 mg per mL	1.2 mg per mL
Functional Activity by Immunofluorescence Assay² <i>L. braziliensis</i> promastigotes with NR-50151	Reactive	Reactive; staining of <i>Leishmania</i> promastigotes (Figure 2)
<i>L. braziliensis</i> promastigotes with FITC-conjugated goat anti-mouse IgG	Nonreactive	Nonreactive; no specific staining of <i>Leishmania</i> promastigotes
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 B-12 adapted to serum-free media.

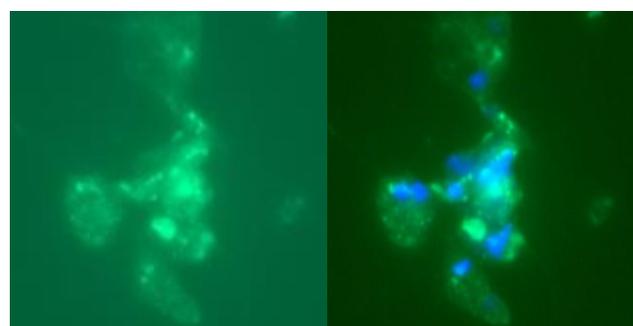
²Specific labeling of *L. braziliensis* promastigotes with NR-50151 and FITC was observed after culturing of *L. braziliensis*, strain MHOM/BR/75/M2903 (ATCC[®] 50135™ lot 63069519) for 48 hours (Figure 2A). NR-50151 was used at a dilution of 1:500, followed by FITC-conjugated goat anti-mouse IgG (Invitrogen[®] A16073) as secondary antibody (1:2000). The overlaid 4',6-diamidino-2-phenylindole (DAPI)-stained image is shown in Figure 2B.

Figure 1: Experion Pro260 Analysis



Lane 1: Pro260 Ladder
Lane 2: NR-50151

Figure 2: Immunofluorescence Assay of *Leishmania* Promastigotes



2A

2B

/Heather Couch/
Heather Couch

13 SEP 2018

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