

Datasheet: OBT2003

**BATCH NUMBER 170769**

<b>Description:</b>	MOUSE ANTI KINETOPLASTID MEMBRANE PROTEIN 11
<b>Specificity:</b>	KINETOPLASTID MEMBRANE PROTEIN 11
<b>Other names:</b>	KMP-11
<b>Format:</b>	Ascites
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	L-157
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1/2000
Immunofluorescence	▪			1/500 - 1/1000
Immunoblotting	▪			1/1000 - 1/3000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Protozoan
<b>Product Form</b>	Ascites - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.5 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
<b>Preservative Stabilisers</b>	None present
<b>Immunogen</b>	<i>L. donovani</i> lipophosphoglycan semi purified from epimastigotes.

**External Database  
Links**

**UniProt:**

[Q36736](#)

[Related reagents](#)

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**RRID**

AB\_619092

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**Fusion Partners**

Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0 myeloma cell line.

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**Specificity**

**Mouse anti Kinetoplastid Membrane Protein 11 antibody, clone L-157** recognizes Kinetoplastid Membrane Protein-11 (KMP-11), previously known as the lipophosphoglycan-associated protein (LPGAP), a 92 amino acid ~11 kDa membrane protein. Mouse anti Kinetoplastid Membrane Protein 11 antibody, clone L-157 was originally derived against *Leishmania donovani* lipophosphoglycan, but found to recognize the tightly associated LPGAP. KMP-11 is found in a wide variety of Kinetoplastid parasites including African trypanosomes, *Leishmania* and *Crithidia* ([Tolson et al. 1994](#)).

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**References**

1. McNeely, T.B. *et al.* (1990) Characterization of *Leishmania donovani* variant clones using anti-lipophosphoglycan monoclonal antibodies. [Glycobiology. 1 \(1\): 63-9.](#)
2. Jardim, A. *et al.* (1991) The *Leishmania donovani* lipophosphoglycan T lymphocyte-reactive component is a tightly associated protein complex. [J Immunol. 147 \(10\): 3538-44.](#)
3. Tolson, D.L. *et al.* (1994) The kinetoplastid membrane protein 11 of *Leishmania donovani* and African trypanosomes is a potent stimulator of T-lymphocyte proliferation. [Infect Immun. 62 \(11\): 4893-9.](#)
4. Pearson, T.W. *et al.* (2000) The major cell surface glycoprotein procyclin is a receptor for induction of a novel form of cell death in African trypanosomes *in vitro*. [Mol Biochem Parasitol. 111 \(2\): 333-49.](#)
5. Jardim, A. *et al.* (2002) Peroxisomal targeting protein 14 (PEX14) from *Leishmania donovani*. Molecular, biochemical, and immunocytochemical characterization. [Mol Biochem Parasitol. 124 \(1-2\): 51-62.](#)

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**Storage**

Prior to reconstitution store at +4°C.  
After reconstitution store at -20°C.  
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10484 available at:  
<https://www.bio-rad-antibodies.com/SDS/OBT2003>  
10484

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**Regulatory**

For research purposes only

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