Datasheet: OBT2003

Description:	MOUSE ANTI KINETOPLASTID MEMBRANE PROTEIN 11
Specificity:	KINETOPLASTID MEMBRANE PROTEIN 11
Other names:	KMP-11
Format:	Ascites
Product Type:	Monoclonal Antibody
Clone:	L-157
Isotype:	IgG1
Quantity:	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.

	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.

Target Species

Protozoan

Product Form

Ascites - lyophilized

Reconstitution

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.

Preservative Stabilisers

None present

Immunogen

L. donovani lipophosphoglycan semi purified from epimastigotes.

External Database Links

UniProt:

Q36736 Related reagents

RRID	AB_619092
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0 myeloma cell line.
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).
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.
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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10484 available at: https://www.bio-rad-antibodies.com/SDS/OBT2003 10484
Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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