

Datasheet: OBT2004

BATCH NUMBER 163277

Description:	MOUSE ANTI LEISHMANIA MAJOR SURFACE PROTEASE gp63
Specificity:	LEISHMANIA MAJOR SURFACE PROTEASE gp63
Format:	Ascites
Product Type:	Monoclonal Antibody
Clone:	96/26
Isotype:	IgG2a
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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/2000
Immunofluorescence	▪			1/500 - 1/1000
Immunoblotting		▪		

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	Ascitic Fluid - lyophilized
Reconstitution	Reconstitute with 0.5ml 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	Recombinant baculovirus expressed <i>L. major</i> gp63

**External Database
Links**

UniProt:
[P08148](#) [Related reagents](#)

RRID AB_619111

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the X63Ag.653 myeloma cell line.

Specificity **Mouse anti *Leishmania* Major Surface Protease gp63 antibody, clone 96/26**
recognizes the *Leishmania* major surface protease (gp63), also known as Leishmanolysin, Promastigote surface endopeptidase or gp63. GP63 is a 477 amino acid ~63 kDa highly conserved protein which is found at high density on many *Leishmania* species. Mouse anti *Leishmania* Major Surface Protease gp63 antibody, clone 96-126 recognises living and fixed parasites, but will not bind to denatured or improperly folded recombinant gp63.

References 1. Rodríguez, P. *et al.* (2013) Study of Functionalized Gold Nanoparticles with Anti-gp63 IgG Antibody for the Detection of Glycoprotein gp63 in Membrane Surface of *Leishmania*. Genus Parasites [American Journal of Analytical Chemistry, 04 \(07\): 100-108.](#)
2. Melo, L.M. *et al.* (2019) Induction of miR 21 impairs the anti-*Leishmania*. response through inhibition of IL-12 in canine splenic leukocytes. [PLoS One. 14 \(12\): e0226192.](#)

Storage Store at -20°C only.
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/OBT2004>
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](https://www.bio-rad-antibodies.com/datasheets)
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