Datasheet: OBT2004

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 *L. major* 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^{o}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

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