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**Anti-Trypanosoma brucei Major Lysosomal Membrane Protein
Monoclonal Antibody - Ascites**

CLP007A

LOT:

DESCRIPTION: Cedarlane's anti-Trypanosoma brucei major lysosomal membrane protein monoclonal antibody reacts with a high M.W. (80-140 kDa) epitope localized predominantly in the membranes of endosomes and lysosomes of the blood stream form of all T. brucei sub-species tested. The expression of this epitope is developmentally regulated as CLP007A shows no reactivity with procyclic forms of T. brucei. Applications include Western Blotting, immunofluorescence on living and fixed parasites and flow cytometry (1).

PRESENTATION: 0.5 ml, lyophilized ascites

STORAGE/STABILITY: Lyophilized form stable at 4°C or -20°C. Reconstitute with 0.5 ml of cold distilled water. After reconstitution, aliquot and freeze unused portions in volumes appropriate for single usage. Avoid repeated freeze/thaw cycles.

SPECIFICATIONS:

Clone: CB1

Immunogen: enriched Ricin-binding glycoproteins

Donor: BALB/c spleen

Fusion Partner: myeloma cell line SP2/0

Specificity: Trypanosoma brucei major lysosomal membrane protein (bloodstream form)

Ig Class: Mouse IgM

Format: Ascitic fluid filtered to 0.8 µ (non-sterile) and lyophilized.

RECOMMENDED WORKING DILUTIONS:

Immunofluorescence: 1:500*

Western Blot: 1:3000*

*For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for use.

REFERENCES:

1. Brickman, M.J., Balber, A.E. 1993. Trypanosoma brucei rhodesiense: Membrane glycoproteins localized primarily in endosomes and lysosomes of bloodstream forms. Exp. Parasitology 76,329-34

FOR RESEARCH USE ONLY

SV/02/22/99

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CEDARLANE®
LABORATORIES LIMITED



toll free: 1-800-268-5058
in North America

phone: (905) 878-8891 • fax: (905) 878-7800

5516 - 8th Line, R.R.#2, Hornby, Ontario, CANADA L0P 1E0

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website: www.cedarlanelabs.com • e-mail: info@cedarlanelabs.com