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Anti-*Trypanosoma brucei* GPEET procyclin Monoclonal Antibody - Ascites

CLP009A

LOT: P0911

DESCRIPTION: Cedarlane's CLP009A antibody recognizes an immunodominant, species-specific glycoprotein antigen found on procyclic culture forms of *Trypanosoma brucei* spp. (1). The molecule, called procyclin, is exposed on the surface of the culture and tsetse fly midgut form of trypanosomes. CLP009A is specific for the GPEET form of procyclin on the surface of *Trypanosoma brucei* spp. procyclic forms. Cedarlane's CLP009A can be used in immunofluorescence on both living and fixed trypanosomes. It also works in ELISA and in immunoblots and detects a broad band at 22-32 kDa. The antibody does not cross-react with other species of trypanosomes or with *Leishmania*.

PRESENTATION: 0.5 ml lyophilized

STORAGE: Store at -20°C or below before reconstitution. Reconstitute with 0.5 ml cold distilled water. Aliquot and freeze the unused portion in volumes appropriate for single use (to avoid repeated freezing and thawing). If slight turbidity appears clarify by centrifugation before use.

SPECIFICATIONS:

Clone: 9G4

Immunogen: GPEET peptide coupled to KLH

Immunocyte donor: BALB/c spleen

Fusion Partner: X63 Ag8.6.5.3 parental myeloma (mouse)

Ig class: Mouse IgG₃

For more information or to place an order please contact...

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Recommended Working Dilution:

ELISA: 1:2000 (Use secondary antibody @ 1/2000).

IMMUNOFLUORESCENCE: 1:10-1:500

Optimal concentrations for staining may vary depending on individual requirements.

REFERENCES:

1. Richardson, J.P., R.P. Beecroft, D.L. Tolson, M.K. Liu and T.W. Pearson. 1988. Procyclin: an unusual immunodominant glycoprotein surface antigen from the procyclic stage of African trypanosomes. *Mol. Bioc. Parasitol.* **31**:203.
2. Richardson, J.P., L. Jenni, R.P. Beecroft, and T.W. Pearson. 1986. Procyclic tsetse fly midgut forms and culture forms of African trypanosomes share stage specific and species-specific surface antigens identified by monoclonal antibodies. *J. Immunol.* **136**: 2259.
3. Tolson, D.L., Schnur, L. F., Armando, J. and T.W. Pearson 1994 Distribution of lipophosphoglycan-associated epitopes in different *Leishmania* species and in African trypanosomes. *Parasitology Research* 80:537-542.

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