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

**CLP008A**

**LOT: P0811**

**DESCRIPTION:** Cedarlane's CLP008A 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 phosphorylated GPEET forms of procyclin expressed on *Trypanosoma brucei* spp. procyclic forms. Cedarlane's CLP008A 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.

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

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## **SPECIFICATIONS:**

Clone: 5H3

Immunogen: Nour 6, an EP procyclin knockout of *Trypanosoma brucei* procyclic trypanosomes

Immunocyte donor: BALB/c spleen

Fusion Partner X63 Ag8.6.5.3 parental myeloma (mouse)

Ig class: Mouse IgG<sub>1</sub>

## **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. Butikofer P, Vassella E, Ruepp S, Boschung M, Civenni G, Seebeck T, Hemphill A, Mookherjee N, Pearson TW, Roditi I. 1999. Phosphorylation of a major GPI-anchored surface protein of *Trypanosoma brucei* during transport to the plasma membrane. J.Cell Sci. 112: 1785-1795.
2. 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.
3. 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.
4. 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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