Anti-*Trypanosoma brucei* procyclin
Monoclonal Antibody

<table>
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<th>Catalogue#</th>
<th>Format</th>
<th>Size</th>
<th>Concentration</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CLP001A</td>
<td>Ascites</td>
<td>0.5ml</td>
<td></td>
<td>CLCMG100</td>
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<tr>
<td>CLP001AP</td>
<td>Purified</td>
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<td>1.0 mg/ml</td>
<td>CLCMG100</td>
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<tr>
<td>CLP001F</td>
<td>FITC</td>
<td>1.0 mg</td>
<td>1.0 mg/ml</td>
<td>CLCMG101</td>
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</table>

**DESCRIPTION:**

Cedarlane's Anti-*Trypanosoma brucei* procyclin Monoclonal 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. Cedarlane's Anti-*Trypanosoma brucei* procyclin Monoclonal Antibody recognizes the EP repeat portion of this molecule. This antibody can be used for ELISA's, immunoblotting and immunofluorescence on living and fixed parasites. The antibody does not cross-react with other species of trypanosomes or with *Leishmania*.

**PRESENTATION:**

**Ascites:** Lyophilized

**Purified:** Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

**FITC:** FITC conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

**STORAGE:**

Store **Ascites** at -20°C. For all other formats, store at 4°C. For long term storage (**Purified** and **FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.
SPECIFICATIONS:

**Clone:** TBRP1 / 247  
**Immunogen:** Live procyclic culture forms of *Trypanosoma brucei* rhodesiense  
**Immunocyte donor:** BALB/c spleen  
**Fusion Partner:** SP2/0 myeloma cells  
**Ig Class:** Mouse IgG1

**RECOMMENDED WORKING DILUTION:**  
**ELISA:** 1:2000 (Use secondary antibody @ 1/2000).  
**IMMUNOFLUORESCENCE:** 1:500 - 1:1000

Optimal concentrations for staining may vary depending on individual requirements.

**REFERENCES:**


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