

Monoclonal Antibody to *Trypanosoma brucei* Procyclin phos. GPEET - Ascites

Catalog No.:	AM01250SU-N
Quantity:	0.5 ml
Background:	<p>GPEET and EP procyclins are the major surface glycoproteins of <i>Trypanosoma brucei</i> while it lives in the midgut (procyclic form) of tsetse flies (<i>Glossina</i> spp.). <i>Trypanosoma brucei</i> is transmitted between mammals by tsetse flies and the species causes African trypanosomiasis (or sleeping sickness). The surface of <i>Trypanosoma brucei</i> insect forms is covered by an invariant protein coat consisting of procyclins.</p> <p>There are six or seven procyclin genes that encode unusual proteins with extensive tandem repeat units of glutamic acid (E) and proline (P) (referred to as EP repeats), and two genes that encode proteins with internal pentapeptide (GPEET) repeats. GPEET procyclin, is rich in Glu-Pro-Glu-Glu-Thr repeats. Although the EP forms of procyclins have been isolated and characterized by several laboratories, evidence for GPEET procyclin has largely been confined to the expression of its mRNA.</p>
Host / Isotype:	Mouse / IgG1
Clone:	5H3
Immunogen:	Nour 6, an EP procyclin knockout of <i>T. brucei</i> procyclic trypanosomes. Remarks: Spleen cells from immunised BALB/c mice were fused with cells of the X63 Ag8.6.5.3 myeloma cell line.
Format:	State: Lyophilized Ascitic Fluid Preservatives: None Stabilizers: None Reconstitution: Restore 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. We recommend that the vial is gently mixed after reconstitution.
Applications:	ELISA: 1/2000. Western Blot. Immunofluorescence: 1/10-1/500. This clone 5H3 has been described to work in Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for <i>Trypanosoma brucei</i> phosphorylated GPEET procyclin. This antibody does not cross-react with other <i>Trypanosome</i> species or <i>Leishmania</i> .

Storage:

Prior to reconstitution store at 2-8°C.
Following reconstitution store undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.