

## Product datasheet for **AM01252SU-N**

### Trypanosoma cruzi LPG Mouse Monoclonal Antibody [Clone ID: Tcr7D3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Tcr7D3
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunofluorescence.</b> <b>Immunoblotting.</b>
Reactivity:	Trypanosoma cruzi
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	T. cruzi LPG purified from epimastigotes.
Specificity:	This antibody reacts with <i>Trypanosoma cruzi</i> LPG.
Formulation:	State: Ascites State: Lyophilized Ascitic Fluid Stabilizer: None Preservative: None
Reconstitution Method:	Restore with 0.5 ml distilled sterile water
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	<i>Trypanosoma cruzi</i> , the protozoan parasite that causes Chagas' disease in humans, has a complex life cycle alternating between the insect vector and the mammalian host. In the vector, it multiplies as noninfective epimastigotes that migrate to the hindgut and differentiate into infective metacyclic trypomastigotes. A lipophosphoglycan (LPG)-like glycoconjugate is expressed on the cell surface of <i>Trypanosoma cruzi</i> epimastigotes. It migrates as a homogeneous band (42 kDa). <i>T. cruzi</i> LPG has large amounts of glucosamine and sialic acid as well as galactosamine and is anchored on the cell surface via an alkylacylphosphatidylinositol.



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