



## Recombinant *T. cruzi* FCABP (1F8) [His] (DAG446)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant <i>Trypanosoma cruzi</i> epitope antigen, contains 1F8 epitope of Flagellar calcium-binding protein (FCABP) of <i>Trypanosoma Cruzi</i> and a 6 histidine fusion partner, was expressed in <i>E. coli</i> , and purified in vitro using Metal affinity chromatography techn
<b>Species</b>	<i>T. cruzi</i>
<b>Purity</b>	90-95% pure (SDS-PAGE 15%). Metal affinity chromatography
<b>Conjugate</b>	His
<b>Applications</b>	Specific methodologies have not been tested using this product.
<b>Molecular Weight</b>	25.8 kDa
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	1 mg/ml
<b>Buffer</b>	Lyophilized from 20mM HEPES, pH 8 containing 300mM Sodium chloride, 376mM Imidazole and 2% sucrose
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

### BACKGROUND

**Introduction** *Trypanosoma cruzi* is a species of parasitic euglenoid trypanosomes. This species causes the trypanosomiasis diseases in humans and animals in America. Transmission occurs when the

reduviid bug deposits feces on the skin surface and subsequently bites; the human host then scratches the bite area, which facilitates penetration of the infected feces. Human American trypanosomiasis, or Chagas disease, has two forms, a trypomastigote found in human blood and an amastigote found in tissues. The acute form usually goes unnoticed and may present as a localized swelling at the site of entry. The chronic form may develop 10 to 20 years after infection. This form affects internal organs (e.g., the heart, the esophagus, the colon, and the peripheral nervous system). Affected people may die from heart failure. Acute cases are treated with nifurtimox and benznidazole, but there is currently no effective therapy for chronic cases.

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**Keywords**

Trypanosoma cruzi; T. cruzi; Trypanosoma cruzi 1F8; T. cruzi 1F8; Trypanosomatida; Trypanosoma; Trypanosoma cruzi epitope antigen; Chagas Antigen 1F8

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