Recombinant Chimeric Chagas Multiantigen, His-tagged

Cat.No:DAG1355

Lot. No. (See product label)

PRODUCT INFOMATION

species	Chagas
Applications	Suitable for use in ELISA and Lateral flow. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Storage	Store lyophilized Chagas Multiantigen at 2-8°C. After reconstitution, store at -20°C. Prevent freeze/thaw cycles.
Buffer	lyophilized from 20mM Tris pH-8.5, 100mM Sodium chloride, 20% trehalose and 0.1% Sodium azide as preservative.
conjugate	N/A
Source	E. coli
Tag	His
Purity	>90% pure as determined by metal affinity chromatography.
Usage	The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Solubility	It is recommended to reconstitute the lyophilized Chimeric Chagas Multiantigen in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Background

Introduction	Trypanosoma cruzi, better known as T. cruzi, is a deadly parasite that causes Chagas' disease. This disease is a chronic infection, which primarily affects the heart and nervous system, causing severe neurological disorders, as well as swelling or denervation of nervous tissue in the heart, colon and esophagus. Chagas' disease often goes undiagnosed due to close association of symptoms to heart disease and a variety of other disorders. The organism can circulate in the blood of infected patients for many years after infection, and can lead to transfusion-acquired infections in blood recipients from these infected donors. Contaminated blood transfusions are suspected to be the primary way in which the parasite has been transmitted to industrialized countries.
Keywords	Trypanosoma cruzi; T. cruzi; Trypanosoma; Trypanosomatida; Kinetoplastida; Chimeric Chagas; Chagas Chimeric Chagas Multiantigen; MACH

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