

Rekom CHAGAS High-Quality Raw Material

Chagas disease, caused by infection with the parasite *Trypanosoma cruzi*, is an endemic infection in Central and South America. It has been estimated to affect between 16 and 18 million people in Latin America alone, with a further 100 million considered at risk.

According to the Division for the Control of Tropical Diseases of the World Health Organization, Chagas disease is still considered an important world public health problem. Chagasic infection is diagnosed mostly when specific antibodies (Abs) against *T. cruzi* antigens (Ags) are detected in a patient's blood, by use of conventional serological methods, such as enzyme-linked immunosorbent assay (ELISA) and indirect hemmagglutination (IHA).


The majority of the commercially available ELISAs employ antigens obtained by lysis of epimastogote or trypomastigote forms of *T. cruzi*. These tests are sensitive but often fail to distinguish between *T. cruzi*-specific and *Leishmania* sp.-specific antibodies, thus leading frequently to false-positive results.

NAME	CAT NUMBER	SOURCE	APPLICATION	DESCRIPTION	
1F8*	RAG0003	E. coli	WB, DB, IE, DE, CLIA, LF	Calcium-binding flagellar antigen	
B13*	RAG0103	E. coli	WB, DB, IE, DE, CLIA, LF	CA-2 surface antigen, oka. Ag2, PEP2, TcR34	
FRA*	RAG0005	E. coli	WB, DB, IE, DE, CLIA, LF	Cytoskeleton assoc. antigen, oka. Ag1, JL7, H49	
	RAG0005BIOT	E. coli	WB, DB, CE, DAS, NP, PO	FRA biotinylated	
ChimChagas1*	RAG0093🏆	E. coli	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen	
ChimChagas2*	RAG0094🏆	E. coli	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen	
	RAG0094BIOT	E. coli	WB, DB, CE, DAS, NP, PO	ChimChagas2 biotinylated	
ChimChagas3*	RAG0096🏆	E. coli	WB, DB, IE, DE, CLIA, LF	Recombinant chimeric antigen	
	RAG0096BIOT	E. coli	WB, DB, CE, DAS, NP, PO	ChimChagas3 biotinylated	
NAME	CAT NUMBER	SOURCE	IMMUNOGEN	APPROX. TITER	DESCRIPTION
Anti-Chagas	PAB0007	Rabbit	RAG0003 RAG0005 RAG0103	WB: 1/8,000-1/10,000 ELISA: 1/1,638,400-1/12,800	Polyclonal antibody against Chagas

WB: Western Blot
DB: Dot Blot
IE: Indirect ELISA
DE: positive control in direct ELISA
CLIA: Chemiluminescent Immunoassay

LF: Lateral Flow
CE: Capture ELISA
DAS: Double antigen sandwich
NP: nanoparticles binding
PO: plate orientation

Pack size: 0.1 mg*; 1 mg; bulk
Format: liquid; lyophilised
*under availability

 Top product (Satisfaction guarantee)

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PRODUCT PERFORMANCE:

- ▶ **Versatility**
- ▶ **Validation**
- ▶ **Conjugation**
- ▶ **Reproducibility**
- ▶ **Broad spectrum**
- ▶ **Specificity and sensitivity**
- ▶ **Technical support**
- ▶ **Costs reduction and fast delivery**