

Polyclonal antibody for *Trypanosoma cruzi*

CATALOG NUMBER: PAB0007

LOT NUMBER: #

IMMUNOGEN: *Trypanosoma cruzi* recombinant antigens 1F8, FRA, B13 (Rekom Biotech catalog references RAG0003, RAG0005 and RAG0103)

SPECIFICITY: Monospecific, reacts only with Chagas epitopes. Non-reactive with normal human serum.

PREPARATION: Isolated from sera of rabbits immunized with highly pure (>98%) recombinant p29 (GRA7) and p53 (GRA8). Anti-Toxo specific antibody was purified by protein G affinity chromatography.

PURITY: >95% (SDS-PAGE)

PRESENTATION: dry powder (stabilized with 5% trehalose)

SOURCE: rabbit

BATCH COMPOSITION:

COMPONENTS	COMPOSITION
Storage buffer before lyophilisation	20 mM phosphate buffer pH 7, 0.15 M NaCl and 0.1% sodium azide

LOT SPECIFICATIONS:

1. RECONSTITUTION: with approx. 0.065 ml of sterile double-distilled water, a final concentration of approx. 1.55 mg/ml will be obtained ($A_{0.1\%} = 1.4$). The solubilisation of the cake should be developed for 15 min to allow a homogeneous antibody solution, considering that part of the cake can be on the glass-walls of the container. Upon reconstitution, leave the solution at least 15 min homogenizing with a mild agitation at 4°C. With this reconstitution, the antibody will be maintained at pH 7. It is recommended that the users carry out their absorbance determinations to avoid concentration variabilities due to the equipment used, mainly in reproducibility analysis.

2. TOTAL QUANTITY PER ALIQUOT: 0.1 mg

3. STORAGE: Antibody is shipped at room temperature. Upon arrival, it should be stored at 4° to -20°C in vertical position, avoiding all possible humidity and maintaining the vials dry. Once reconstituted, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20°C to -80°C.

4. WESTERN BLOT: suggested titer approx. 1:8,000-1:10,000.

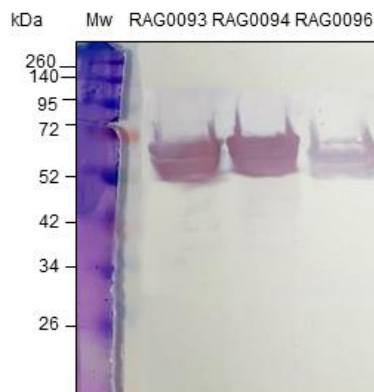
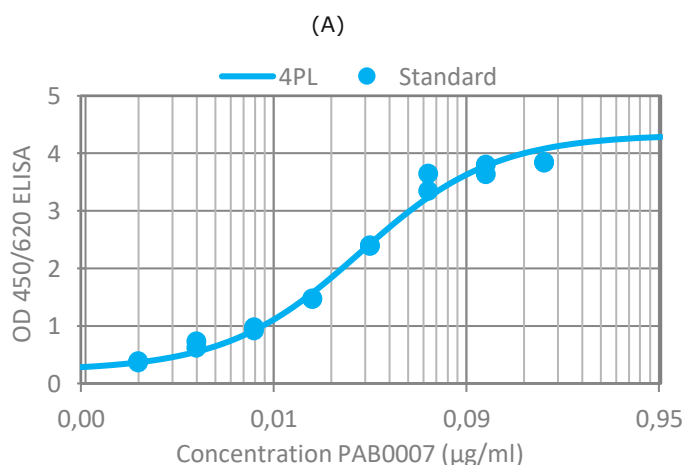
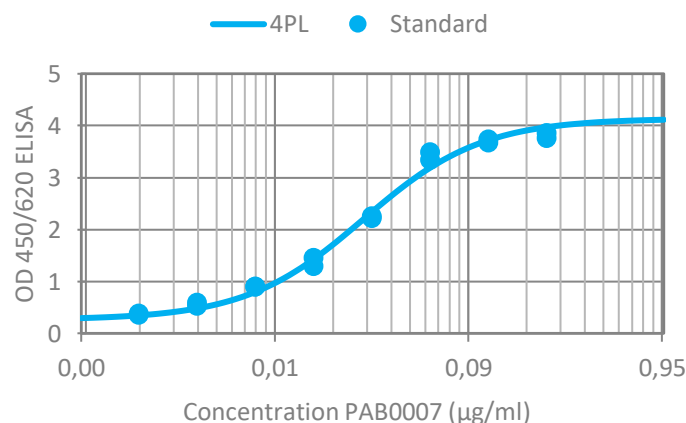


Figure 1. Western blot analysis of the polyclonal Ab against the three chimeras of Chagas: RAG0093 (ChimChagas1), RAG0094 (ChimChagas2) and RAG0096 (ChimChagas3).

6. ELISA ANALYSIS:

Antibody titration assay. A titration assay of the antibody was performed with a fixed recombinant immunogen concentration of 0.1 µg/ml.



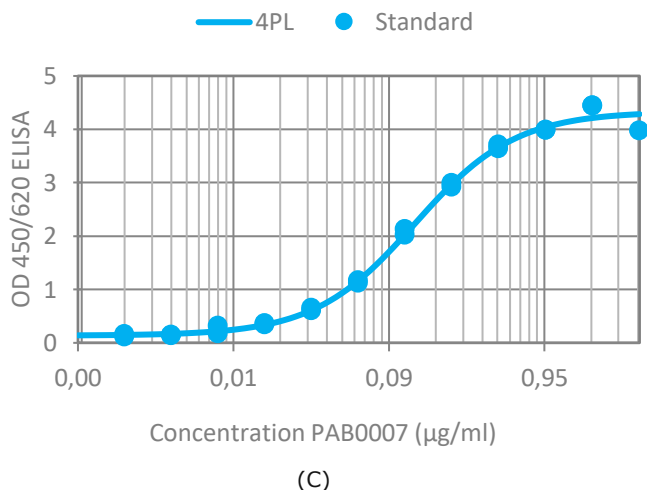


Figure 2. Titration of the polyclonal Ab diluted in a twofold series against constant antigen concentration of 0.1 µg/ml: (A) RAG0093 (ChimChagas1); (B) RAG0094 (ChimChagas2) and (C) RAG0096 (ChimChagas3). A 4-parameter logistic regression (4PL) model was used to fit the sigmoidal standard curve.

The suggested titer for Ab PAB0007 in ELISA assay is between 1/1,638,400 (0.0009 µg/ml) and 1/12,800 (0.0121 µg/ml).

Suggested working dilutions are given as a guide only. It is recommended that the user titrates.

6. OTHER TECHNIQUES: not tested. Where this product has not been tested for use in a particular technique, this does not necessarily exclude its use in such procedures.

Important Notes: Where this product has not been tested for use in a technique, this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates.

During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the containers cap.

FOR RESEARCH AND COMMERCIAL USE *IN VITRO*: not for human *in vivo* or therapeutic use