

1F8 recombinant protein

1F8 recombinant

CATALOG # AAA72847	HOST E Coli	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

1F8; 1F8 recombinant; RECOMBINANT ANTIGEN E from West Nile Virus; FcaBP; 1F8 recombinant protein

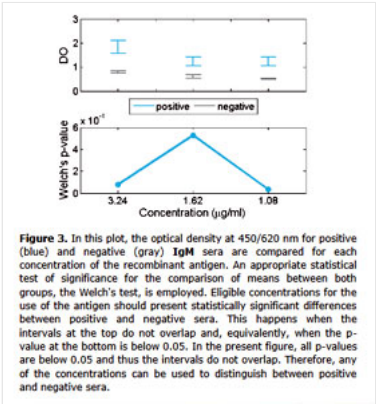
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	0.98
Form/Format	Dry powder (lyophilized)
Concentration	1.24 mg/mL (varies by lot)
Sequence Length	3433
Applicable Applications for 1F8 recombinant protein	WB (Western Blot), ELISA
Total Volume per Aliquot	0.084 mL
Recombinant Antigen	West Nile virus antigen E (Beasley et al., 2004).
Organism	Trypanosoma cruzi
Tag	HIS/GST
MW Note	Determined by SDS-PAGE, the protein band is between molecular markers of 45,000-66,200 Da, while relative molecular mass calculated from amino acid sequence is 56,838.8Da.
Lot Composition	Components: GST-his-1F8 Composition: Recombinant antigen with a with A GST-TAG and a his-tag in its N-terminus.
Buffer	20 Mm phosphate buffer pH 8.0, 1 M NaCl
Quality Control	1. PROTEIN CONCENTRATION DETERMINED ESPECTROPHOTOMETRICALLY DO ₂₈₀ =1.44 A _{0.1%} (=1 g/l)= 1.158 CONCENTRATION*:1.24 mg/ml *The measurement of the protein concentration has been performed with the theoretical xtinction coefficient of the recombinant protein obtained from Gill and vonHippel, 1989
Observation Notes	Proteins should be maintained frozen at high concentrations. The dilution to be performed for ELISA assays should be made with a small quantity of protein, the same day of the experiment. In order to defrost the protein, maintain the aliquot at 25 degree C without shaking to avoid aggregation. Prior making test dilutions and after defrost the protein, is recommended to remove possible protein aggregates by centrifuging the stock solution, avoiding alterations in the immobilization of the biomolecule to the solid surface.
Reconstitution	For lyophilized proteins: with 0.04 ml of sterile double-distilled water (lot specific) for a final concentration of 1.59 mg/ml (lot specific). The protein will be at pH 8.

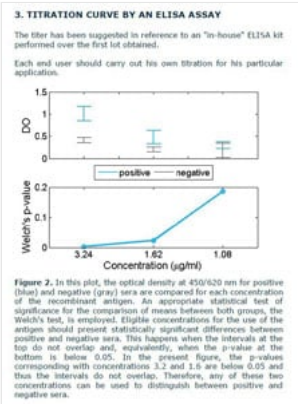
Preparation and Storage

Lyophilized protein is shipped with on ice packs. Upon arrival, it should be stored at 20 degree C to -80 degree C. Aliquot after reconstitution in order to avoid repeated freezing and thawing cycles and store at 20 degree C to -80 degree C.

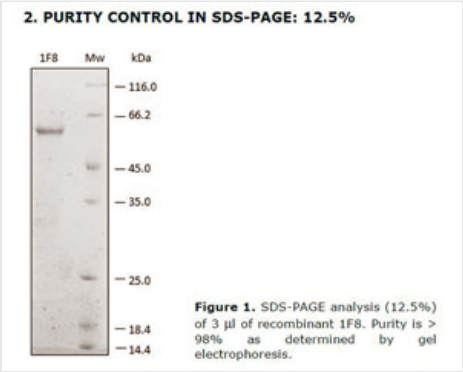
IMAGES



Application Data



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for 1F8 recombinant protein	The T. cruzi antigen 1F8 has been prepared as a recombinant antigen fused to a GST - his-tag in its N-terminal. It is produced from the 1F8 gene of the T. cruzi calcium-binding protein.
Product Categories/Family for 1F8 recombinant protein	PARASITES
References	González, A., T. J., Lerner, M. Huecas, B. Sisa-Pineda, N. Nogueira, and P. M. Lizardi. Apparent generation of a segmented mRNA from two separate tandem gene families in Trypanosoma cruzi. 1985, Nucleic Acids Res. 13:5789-5803. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	377814031
NCBI Official Full Name	polypeptide

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.