

BZLF1 recombinant protein

BZLF1 recombinant

CATALOG # AAA72849	HOST E. coli	APPLICATIONS Western Blot, ELISA
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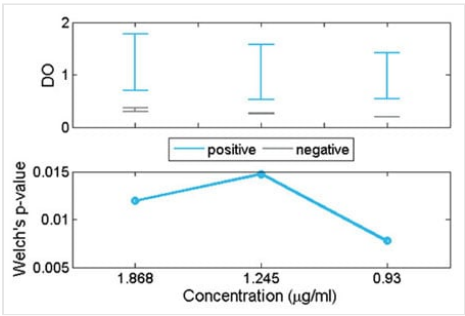
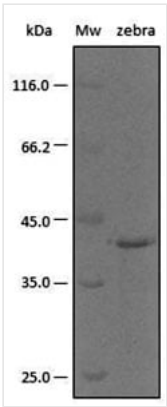
PRODUCT SYNONYMS

BZLF1; BZLF1 recombinant; Zebra (EA); BZLF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Form/Format	Dry powder (lyophilized)
Applicable Applications for BZLF1 recombinant protein	WB (Western Blot), ELISA
Molecular Weight Note	Determined by SDS-PAGE, the protein band is at the molecular marker between molecular markers of 45,000 Da and 35,000 Da, while relative molecular mass calculated from amino acid sequence is 35,081.1 Da.
Batch Composition	Components: his-zebra Composition: recombinant antigen with a his-tag in its N-terminus Components: Storage buffer before lyophilization Composition: 20 mM phosphate buffer pH8, 1M NaCl and 4 M urea.
Quality Control	Protein Concentration Determined Espectrophotometrically: $DO_{280} = 0.722$ $A_{0.1\%} (=1 \text{ g/l}) = 0.653$ Concentration*: 1.29 mg/ml * The measurement of the protein concentration has been performed with the theoretical extinction coefficient of the recombinant protein obtained from Gill and vonHippel, 1989.
Reconstitution	With approx. 0.79 ml of sterile double-distilled water for a final concentration of approx. 1.10 mg/ml. The protein will be at pH 8.
Total Quantity per Aliquot	1 mg
Observation	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 defrosting 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.
Preparation and Storage	Protein is shipped on blue ice. Upon arrival, it should be stored at 4°C or -20°C. Once reconstituted, it should be aliquoted in order to avoid repeated freezing and thawing cycles and stored at -20°C to -80°C.

IMAGES



ELISA
Titration Curve by an ELISA Assay. The titer has been suggested in reference to an "in-house" ELISA kit performed at the lab over the first lot obtained. Each end user should carry out their own titration for their particular application. In this plot, the optical density at 450/620 nm for positive (blue) and negative (gray) IgG sera are compared for each concentration of the recombinant antigen. An appropriate statistical test of significance for the comparison of means between both groups, the Welch's test, is employed. Eligible concentrations for the use of the antigen should present statistically significant differences between positive and negative sera. This happens when the intervals at the top do not overlap and, equivalently, when the value at the bottom is below 0.05. In the present figure, all p-values are below 0.05 and thus the intervals do not overlap. Therefore, any of the showed concentrations can be used to distinguish between positive and negative sera.

ADDITIONAL INFORMATION

Related Product Information for BZLF1 recombinant protein	Recombinant Antigen: Epstein-Barr virus zebra (Yamauchiet al., 1998) The EBV gene BZLF1 has been expressed as a recombinant antigen zebra. It is produced from the complete ORF of the bZIP transcription factor.
Product Categories/Family for BZLF1 recombinant protein	Viruses

NCBI AND UNIPROT INFORMATION

NCBI GI #	808657
NCBI Official Full Name	BZLF1

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.

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Online datasheet: <https://stage.aaabiotech.com/bzlf1-recombinant-protein-e-coli-wb-western-blot-elisa/72849>