

BALF2 recombinant protein

BALF2 recombinant

CATALOG # AAA72844	HOST E Coli	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

BALF2; BALF2 recombinant; RECOMBINANT ANTIGEN p138 from Epstein-Barr Virus (EBV); p138 (D-EA); BALF2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	0.95
Form/Format	Dry powder (lyophilized)
Concentration	1.59 mg/ml (varies by lot)
Sequence Length	1128
Applicable Applications for BALF2 recombinant protein	WB (Western Blot), ELISA
Recombinant Antigen	EBV antigen p138 (Mumtsidu et al., 2008).
Organism	EBV
Tag	HIS
Molecular Weight Information	Determined by SDS-PAGE, the protein band is between molecular markers of 66,200-116,000 Da, while relative molecular mass calculated from amino acid sequence is 129,700.0 Da.
Suggested Titer by ELISA	approx. 1:3250, which corresponds to 0.49ug/ml of protein concentration in plates for IgG detection.
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.
Buffer	20 mM phosphate buffer pH 8, 1 M NaCl, 0.1% polyoxyethylene (10) tridecyl ether and 6 M urea
Batch Composition	Recombinant antigen with a his-tag in its N-terminus
Storage Buffer	20 mM phosphate buffer pH 8, 1 M NaCl, 0.1% polyoxyethylene (10) tridecyl ether and 6 M urea
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

ADDITIONAL INFORMATION

Related Product Information for BALF2 recombinant protein	The early antigen p138 has been prepared as a recombinant antigen fused to a his-tag. It is produced from the complete ORF of the BALF2 gene which codifies the major DNA binding protein of EBV.
Product Categories/Family for BALF2 recombinant protein	Viruses
References	Mumtsidu E, Makhov AM, Konarev PV, Svergun DI, Griffith JD, Tucker PA. Structural features of the single-stranded DNA-binding protein of Epstein-Barr virus. 2008 J. Struct. Biol. 161(2):172-87. 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 #	82503273
NCBI GeneID	3783678
NCBI Accession #	YP_401717.1
NCBI GenBank Nucleotide #	NC_007605.1
UniProt Accession #	P03227; Q777A7
Molecular Weight	123,122 Da
NCBI Official Full Name	BALF2
NCBI Official Symbol	BALF2
NCBI Protein Information	single-stranded DNA binding protein
UniProt Protein Name	Major DNA-binding protein
UniProt Entry Name	DNBI_EBVB9

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/balf2-recombinant-protein-e-coli-wb-western-blot-elisa/72844>