

Recombinant EBV BALF2 Antigen, His tagged

Cat. No. BALF2-004E **Lot. No.** (See product label)

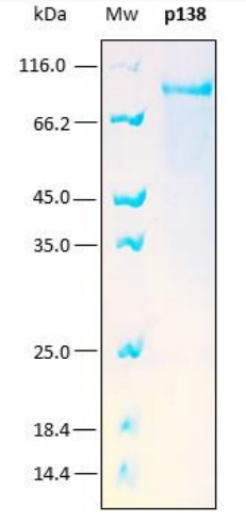
SPECIFICATION

Product Overview	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.
Species	EBV
Source	E.coli
Description	D-EA p138 is considered as diffused (EA-D) early antigen. Regarding the EA-D, it is located in nucleus and cytoplasm and it has been described the highly presence of the diffuse early antigen of EBV in lymphomas and lymphoproliferative disorders. The D-EA p138 is an antigen codified by the gene BALF2 which is the major DNA binding protein of EBV. At the time of infection with Epstein-Barr virus, antibodies to EA are found and usually last for four to six months only. The absence of antibody to EA when other EBV antibodies are present strongly suggests that first time infection with EBV occurred in the past.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 66.2-116 kDa, while relative molecular mass calculated from amino acid sequence is 129,700.0 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis

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Applications	WB, DB, IE, DE
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 8, 0.15 M NaCl, 0.1% polyoxyethylene (10) tridecyl ether and 6 M urea
Concentration	1.11 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. 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. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	

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SDS-PAGE analysis (12%) of 6 μ L of recombinant p138. Purity is > 95% as determined by gel electrophoresis.

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