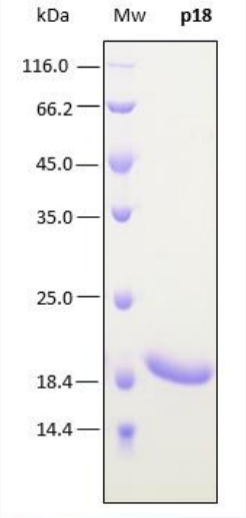
Recombinant EBV BFRF3 Antigen, His tagged

Cat. No. BFRF3-007E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This recombinant antigen is a truncated form of the capsid protein VP26, the putative 18 kDa (VCA), which is codified by the BFRF3 gene of EBV.
Species	EBV
Source	E.coli
Description	p18 is an antigen of 18 kDa codified by the BFRF3 gene. Antibody to VCA are found both in early and late EBV infection. At the time of infection, antibody of both the IgM and IgG types are detectable. After four to six months, usually, only the IgG antibody against VCA can be found. VCA-p18 can be considered to be the best dominant immunoreactive antigen for use in IgM VCA diagnosis.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 18.4-25 kDa, while relative molecular mass calculated from amino acid sequence is 15,846.1 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF
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

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	25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 7, 1 M NaCl and 0.1% polyoxyethylene (10) tridecyl ether
Concentration	2.15 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Wout M. J. Van Grunsven, Erika C. Van Heerde, Hans J. W. De Haard, Willy J. M. Spaan and Jaap M. Middeldorp. Gene Mapping and Expression of Two Immunodominant Epstein-Barr Virus Capsid Proteins. 1993, J. of Virology, p. 3908-3916. 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	 SDS-PAGE analysis (17%) of 2 µL of recombinant p18. Purity is > 98% as determined by gel electrophoresis.

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