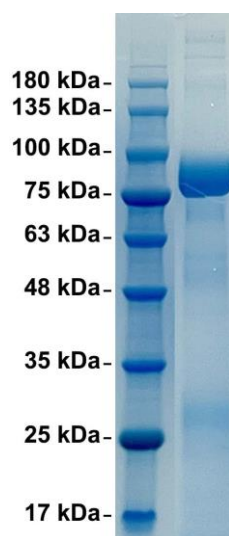


EBV (HHV-4) gH/gL protein complex

CATALOG NUMBER: HHV4-gHL-22P

Introduction	Herpesviruses have an envelope and an outer lipid bilayer which contains twelve surface glycoproteins. For infectivity to be attained, the double stranded DNA genome of EBV must enter the host cell through means of fusion of its envelope with the cellular membrane or via endocytosis. Epstein-Barr virus (EBV) can infect both B cells and epithelial cells. The mechanisms for entering these two cells are different. The viral three-part glycoprotein complexes of gH/gL/gp42 mediate B cell membrane fusion.
Description	Recombinant EBV glycoprotein H and L expressed and purified from 293 cells
Viral Protein	Recombinant EBV gH protein (amino acid 19-678) (GenBank accession#:P03231) and EBV gL (aa 23-137) (GenBank accession#: CAD53428) complex
Applications	Western blot standard, antibody ELISA, immunogen, etc.
Storage	Store at -20 °C; Stable for two weeks from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
Concentration	50 µg (1 µg/µl) in PBS
Endotoxin Level	<0.01 EU per 1 µg of the protein by LAL test
Purity	> 95% pure by 10% SDS-PAGE gel



4-20% SDS-PAGE: purified gH/gL(EBV) protein complex

EBV glycoprotein H and glycoprotein L SEQ:

SLSEVKLHLDIEGHASHYTIPWTELMAKVPGLSPEALWREANVTEDLASMLNRYKLIYKTSGLGIALAEPVDIPAVSEGSMQVDASKVHPGV
ISGLNSPACMLSAPLEKQLFYIIGTMLPNTRPHSYVFYQLRCHLSYVALSINGDKFYTGAMTSKFLMGTYKRVTEKGDEHVLVFGKTKDL
PDLRGPFSSYPSLTSAQSGDYSLVIVTTFVHYANFHNYFVPNLKDMFSRAVTMTAASYARYVLQKLVLLEMKGCCREPELDTETLTMTFEVSV
FFKVGHAVGETGNGCVDLRWLAKSFFELTVLKDIIGICYGATVKGMQSYGLERLAAMLMAATVKMEELGHLTTEKQYALRLATVGYPKAGVYS
GLIGGATSVLLSAYNRHPLFQPLHTVMRETLFIGSHVVLRELRLNVTQGPNLALYQLLSTALCSALEIGEVLRLGALGTESGLFSPCYLSLR
FDLTRDKLLSMAPEATLDQAAVSNVAVDGFGLRGLSLEREDRDAWHLPAYKCVDRDLKVLMIIPLINVTFIISDREVRGSALYEASTTYLSSS
LFLSPVIMNKCSQGAVAGEPRQIPKIQNFTRTQKSCIFCGFALLSYDEKEGLETTTYITSQEVQNSILSSNYFDFDNLHVHYLLLTNGTVME
IAGLYEERA

NWAYPCCHVTQLRAQHLLALENISDIYLVSNQTCDFSLASLNSPKNGSNQLVISRCANGLNVVSFFISILKRSSSALTGHLR
ELLTTLETLYGSFVSVDLFGANLNRYAWHRGG

