

## VZV / HHV-3 Glyco E (48-135) - Purified

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| <b>Catalog No.:</b>   | AR10696PU-S  |
| <b>Quantity:</b>      | 0.1 mg   |
| <b>Concentration:</b> | 1.0 mg/ml  |
| <b>Background:</b>    | VZV is closely related to the herpes simplex viruses(HSV), sharing much genome homology. The known envelope glycoproteins (gB, gC, gE, gH, gI, gK, gL) correspond with those in HSV, however there is no equivalent of HSV gD. VZV virions are spherical and 150-200 nm in diameter. Their lipid envelope encloses the nucleocapsid of 162 capsomeres arranged in a hexagonal form. Its DNA is a single, linear, double-stranded molecule, 125,000 nt long. The virus is very susceptible to disinfectants, notably sodium hypochlorite. Within the body it can be treated by a number of drugs and therapeutic agents including aciclovir, zoster-immune globulin(ZIG), and vidarabine. |
| <b>Source:</b>        | E. coli  |
| <b>Format:</b>        | <b>Purity:</b> >95.0% pure as determined by 10.0% PAGE (coomassie staining).<br><b>Purification Method:</b> Sepharose-Derived Purification.<br><b>Buffer System:</b> 25mM Tris-HCl, 1mM EDTA, 50% Glycerol   |
| <b>Applications:</b>  | Antigen in ELISA and Western blots, excellent antigen for detection of VZV with minimal specificity problems.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.  |
| <b>Description:</b>   | <i>E.coli</i> derived recombinant protein contains the VZV gE immunodominant regions.<br><b>Specificity:</b> Immunoreactive with sera of VZV-infected individuals.   |
| <b>Storage:</b>       | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |