

HSV-2 glycoprotein D (gD)

CATALOG NUMBER: HSV2-gD-005P, 50 µg, 1mg

Introduction	Glycoprotein D (gD) is a structural component of the herpes simplex virus (HSV) envelope which is essential for virus entry into host cells. 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 HSV must enter the host cell through means of fusion of its envelope with the cellular membrane or via endocytosis. Other viral glycoproteins involved in the process of viral cell entry include gC,gB,gD,gH, and gL, but only gC,gB,gD, and gH are required for the fusion of the HSV's envelope with the cellular membrane.
Description	Recombinant HSV-2 glycoprotein D expressed and purified from <i>E.coli</i>
Viral Protein	C-terminal GST-tagged recombinant gD immunodominant protein (HSV-2) (amino acid 266-393) (GenBank accession#: AEV91405)
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	1 mg/ml in 50mM Tris-HCl (pH8.0), 150 mM NaCl and 8M urea
Purity	> 95% pure by 10% SDS-PAGE gel



SDS-PAGE: purified glycoprotein D (HSV-2) protein (aa 266-393)