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Certificate of Analysis and Data Sheet

Herpes Simplex Virus-2 gD Recombinant (HSV-2 gD)

Catalog No.	**Source**
228-10798	*Escherichia Coli.*

Introduction:

Entry of HSV into the host cell involves interactions of several viral glycoproteins with cell surface receptors. The virus particle is covered by an envelope which, when bound to specific receptors on the cell surface, will fuse with the cell membrane and create an opening, or pore, through which the virus enters the host cell. The sequential stages of HSV entry are analogous to those of other viruses. At first, complementary receptors on the virus and cell surface bring the two membranes into proximity. In an intermediate state, the two membranes begin to merge, forming a hemifusion state. Finally, a stable entry pore is formed through which the viral envelope contents are introduced to the host cell.

Description:

The E.Coli derived 39.7 kDa recombinant protein contains the HSV-2 gD immunodominant regions 266-394 amino acids, fused with 26 kDa GST-tag.

Purification Method:

HSV-2 gD protein was purified by proprietary chromatographic technique.

Purity:

HSV-2 gD protein is >95% pure as determined by 10% PAGE (coomassie staining).

Formulation:

25mM Tris-HCl pH 7.2, 1mM EDTA, and 50% glycerol.

Storage:

HSV-2 gD Protein is shipped at ambient temperature. Upon arrival, Store at -20°C.

Stability:

Five years frozen. One month in solution at room temperature.

Specificity

Immunoreactive with sera of HSV-infected individuals.

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.

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Applications:

HSV-2 gD antigen is suitable for ELISA and Western blots, excellent antigen for detection of HSV with minimal specificity problems.

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