



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Recombinant Herpes Simplex Virus-1 glycoprotein D (HSV-1-gD)

Catalog No.
228-10796

Source:
E. 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 recombinant protein contains the HSV-1 gD immunodominant regions, 266-394 amino acids.

Formulation

25mM Tris-HCl, 1mM EDTA, 50% glycerol

Purification Method

Purified by proprietary chromatographic technique

Purity

Greater than 95.0% as determined by:
(a) 10% PAGE coomassie staining.

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



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Storage and Stability

Five years frozen. One month in solution at room temperature. Protein is shipped at ambient temperature. Upon arrival, Store at -20C. **Please avoid freeze-thaw cycles.**

Specificity

Immunoreactive with sera of HSV-infected individuals

Applications

1. ELISA
2. Western blots
3. HSV Detection

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