HSV-2 gD (residues 266-384)
Herpes Simplex Virus-2 glycoprotein D recombinant, E. coli

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<thead>
<tr>
<th>Cat. No.</th>
<th>Amount</th>
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<td>PR-1110</td>
<td>100 µg</td>
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For in vitro use only
Quality guaranteed for 12 months
Store at -20°C

Avoid freeze / thaw cycles

Form
Liquid. Supplied in 25 mM Tris-HCl pH 7.2, 1 mM EDTA and 50% glycerol.

Protein synonyms/aliases
Glycoprotein D precursor

Molecular Weight
65.7 kDa

Application
Recombinant rHSV-2 gD Antigen may be used in ELISA and Western blots, excellent for detection of HSV with minimal specificity problems.

Specificity
Immunoreactive with sera of HSV-infected individuals.

Purity
>95% by SDS-PAGE

Description
The E.coli derived recombinant protein contains the HSV-2 gD immunodominant regions 266-394 amino acids, fused with 26 kDa GST-tag. HSV-2-gD is purified by proprietary chromatographic techniques.

Background
Glycoprotein D (gD) is essential for replication in cultured cells. Deletion mutants of the virus for the gD gene cannot penetrate into cells and neutralizing antibodies against the glycoprotein inhibit virus entry. Studies with antibodies raised against HSV gD indicate that the glycoprotein plays a role in the cell-to-cell fusion process.

Selected References:
Domingo et al. (2003) Immunological properties of a DNA plasmid encoding a chimeric protein of herpes simplex virus type 2 glycoprotein B and glycoprotein D. Vaccine. 21:3565.