

# Herpes Simplex Virus

Herpes Simplex Virus (HSV) is an enveloped virus from the Herpesviridae family, with two main species: HSV-1 and HSV-2. HSV-1 primarily causes orofacial and genital infections, while HSV-2 is mainly associated with genital and severe neonatal infections. HSV-1 affecting over 3.7 billion people globally, and HSV-2 infecting approximately 500 million people.

The virus contains a large, linear double-stranded DNA genome, approximately 150 kbp in size, encoding around 280 ORFs and producing about 200 proteins. The virus contains capsid, tegument and envelope. The viral capsid is composed with five capsid proteins, UL6, UL18, UL35, UL38 and the major capsid protein UL19. Proteins associated with viral replication and immune evasion in the tegument are VP16, UL36, and VP22. The main targets for vaccine development are envelope proteins, gB, gC, gD, gE and gH/gL.

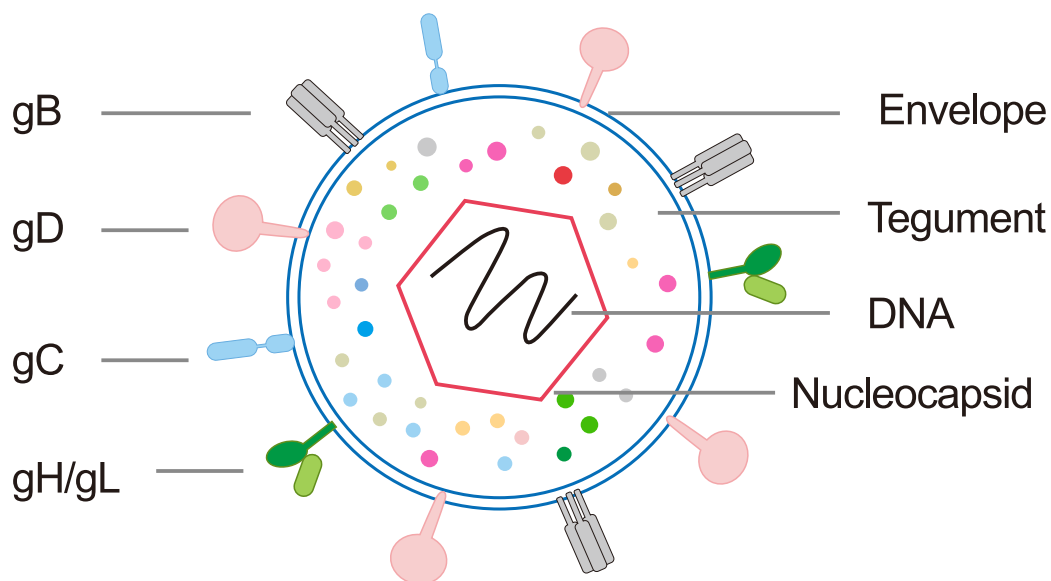


Fig. 1 Schematic representation of HSV (Bai et al., 2024)

Catalog No.	Product Name
<b>Protein</b>	
EVV21301	Recombinant HSV-1/HHV-1 gB Protein, C-Strep
EVV21501	Recombinant HSV-1/HHV-1 gE Protein, C-His
EVV21502	Recombinant HSV-1/HHV-1 gE Protein, C-His
EVV21401	Recombinant HSV-1/HHV-1 gD Protein, C-His
EVV40901	Recombinant HSV-1/HHV-1 gC Protein, C-His
EVV41301	Recombinant HSV-2/HHV-2 gC/UL44 Protein, C-His
EVV04901	Recombinant HHV2/HSV2 gD/US6 Protein, C-His
EVV36401	Recombinant HHV2/HSV2 US8/Envelope glycoprotein E Protein, C-His
<b>Monoclonal Antibody</b>	
VVV21301	Anti-HSV1/HHV1 gB/Envelope glycoprotein B (lv0044)
VVV21302	Anti-HSV1/HHV1 gB/Envelope glycoprotein B (Fd79)
VVV21401	Anti-HSV1/HHV1 gD/Envelope glycoprotein D (lv0045)
VVV21402	Anti-HSV1/HHV1 gD/Envelope glycoprotein D (Fd138-80)
VVV21501	Anti-HSV1/HHV1 gE/Envelope glycoprotein E (lv0046)
RVV04901	Anti-HSV-2/HHV2 gD/Envelope glycoprotein D Antibody (SAA0365)
RHV21401	Anti-HSV1/HHV-1 gD Nanobody (G44)
<b>Polyclonal Antibody</b>	
PVV04601	Anti-HSV-1/HHV-1 gG/US4 Polyclonal Antibody
PVV21501	Anti-HSV-1/HHV-1 gE Polyclonal Antibody
PVV21401	Anti-HSV-1/HHV-1 gD Polyclonal Antibody
PVV04602	Anti-HSV-1/HHV-1 gG/US4 Polyclonal Antibody
PVV41001	Anti-HSV-1/HHV-1 TRX1/UL38 Polyclonal Antibody
PVV41301	Anti-HSV-2/HHV-2 gC/UL44 Polyclonal Antibody
PVV41401	Anti-HSV-2/HHV-2 gG/US4 Polyclonal Antibody
PVV04901	Anti-HHV-2/HSV2 gD/US6 Polyclonal Antibody
<b>Kits</b>	
KVV04601	Anti-HSV-1/HHV-1 gG/US4 ELISA Kit
KVV21301	Anti-HSV-1/HHV-1 gB ELISA Kit
KVV21501	Anti-HSV-1/HHV-1 gE ELISA Kit
KVV21401	Anti-HSV-1/HHV-1 gD ELISA Kit
KVV40901	Anti-HSV-1/HHV-1 gC ELISA Kit
KVV41401	Anti-HSV-2/HHV-2 gG/US4 ELISA Kit
KVV04901	Anti-HSV-2/HHV-2 gD/US6 ELISA Kit
KVV36401	Anti-HSV-2/HHV-2 US8/gE ELISA Kit

All products are for research use only



Telephone: +33 390 205 470

Order: [order@antibodysystem.com](mailto:order@antibodysystem.com)

Mail: [support@antibodysystem.com](mailto:support@antibodysystem.com)

Web: [www.antibodysystem.com](http://www.antibodysystem.com)

Add: 15 rue de la Haye 67300 SCHILTIGHEIM France

**Antibod**  
System 