bs-18094R **[Primary Antibody]**

HSV1 gD Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: HSV1 gD

Immunogen: KLH conjugated synthetic peptide derived from HSV1 gD, strain Angelotti: 26-100/394.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Herpes simplex type 1 (HSV-1) belongs to a family that includes HSV-2, Epstein-Barr virus (EBV) and Varicella zoster (chicken pox) virus amongst others. HSV-1 and HSV-2 are extremely difficult to distinguish from each other. Members of this family have a characteristic virion structure. The double stranded DNA genome is contained within an icosahedral capsid embedded in a proteinaceous layer (tegument) and surrounded by a lipid envelope, derived from the nuclear membrane of the last host, which is decorated with virus-specific glycoproteins spikes. These viruses are capable of entering a latent phase where the host shows no visible sign of infection and levels of infectious agent become very low. During the latent phase the viral DNA is integrated into the genome of the host cell.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Herpes Simplex Virus)

Predicted MW.: 41 kDa

Subcellular Location: Cytoplasm ,Nucleus

SELECTED CITATIONS

- **[IF=5.048]** Yang Gao. et al. HSV-1 Infection of Epithelial Dendritic Cells Is a Critical Strategy for Interfering with Antiviral Immunity. VIRUSES-BASEL. 2022 May;14(5):1046 Other ;. 35632787
- **[IF=4.5]** Jie Wang. et al. Herpes Simplex Virus Type 1 Infection Induces the Formation of Tunneling Nanotubes. MICROORGANISMS. 2023 Aug;11(8):1916 ICC ;Human,Monkey. 10.3390/microorganisms11081916
- **[IF=3.8]** Xiaohong Ren. et al.Analysis of the Interaction Between the Attenuated HSV-1 Strain M6 and Macrophages Indicates Its Potential as an Effective Vaccine Immunogen.viruses.2025 Mar 10;17(3):392. Blocking ;Mouse. 10.3390/v17030392