

Monoclonal Antibody to Herpes Simplex Virus 1 (HSV1) Glycoprotein G-1 - Purified

Catalog No.:	BM3247
Quantity:	0.5 mg
Concentration:	0.5 mg/ml. (OD280 nm, E0.1% = 1.4) (prior to lyophilization)
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.
Host / Isotype:	Mouse / IgG
Clone:	H1379
Format:	State: Lyophilized purified Ig fraction. Purification: Gel filtration and anion exchange chromatography Buffer System: 10 mM PBDS, 0.15 M NaCl, pH 7.4 and 0.01% sodium azide as preservative. Reconstitution: Reconstitute with 1.0 ml distilled water.
Applications:	Suitable for use in Western blotting and Immunofluorescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	HSV Type 1 by immunofluorescence. Reacted only with HSV-1 strain F infected Vero cells but not type 2 infected cells. By chemiluminescence (ECL) Western assays, the antibody was type 1 specific, failed to react with uninfected cells or HSV-2 infected cells, and gave positive reactions up to a dilution of 1:20,000. One gG-1 protein band was detected.
Storage:	Lyophilized: Store at 2-8°C (preferably in a dessicator). Reconstituted: Aliquot and store at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.