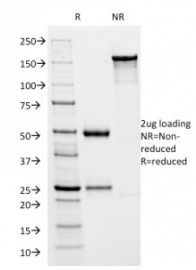
HSV1 Antibody / Herpes Simplex Virus Type I [clone HSVI/2045] (V5376)

Catalog No.	Formulation	Size
V5376-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5376-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5376SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	HSVI/2045
Purity	Protein A/G affinity
Applications	Western blot: 2-4ug/ml
Limitations	This HSV1 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free HSVI antibody (clone HSVI/2045) as confirmation of integrity and purity.

Description

The antibody reacts with HSV type 1 specific antigen. It is suitable for detection of HSV in human cellular material obtained from superficial lesions or biopsies and for the early identification of HSV in infected tissue cultures. The herpes simplex virus (HSV) (also known as cold sore, night fever or fever blister) is a virus that causes a contagious disease. There are two main types of Herpes Simplex Virus (HSV), 1 and 2. The HSV-1 strain generally appears in the orafacial organs. HSV2 usually resides in the sacral ganglion at the base of the spine. All herpes viruses are morphologically

identical: they have a large double-stranded DNA genome and the virion consists of an icosahedral nucleo-capsid, which is surrounded by a lipid bilayer envelope. ICP8, the HSV1 encoded single-strand DNA (ssDNA)-binding protein, is the major DNA binding protein of HSV1. ICP8 promotes single-stranded DNA to assemble into a homologous duplex plasmid producing a displacement loop. At higher concentrations, however, ICP8 facilitates the reverse reaction due to its helix destabilizing activity.

Application Notes

Optimal dilution of the HSV1 antibody should be determined by the researcher.

Immunogen

Baculovirus-expressed HSV DNA polymerase (POL) and POL/UL42 complex was used as the immunogen for the HSV1 antibody.

Storage

Aliquot the HSV1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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