

HSV-1 (014): sc-57862

BACKGROUND

The herpes simplex virus (HSV) (also known as cold sore, night fever or fever blister) is a virus that causes a contagious disease. The HSV-1 strain generally appears in the orafacial organs. All herpes viruses are morphologically identical: they have a large double-stranded DNA genome and the virion consists of an icosahedral nucleocapsid which is surrounded by a lipid bilayer envelope. Following primary infection, the virus establishes a latent infection in the host and may reactivate at any stage. Reactivation is frequently, but not always, associated with further disease.

REFERENCES

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3. Rapp, F. and Buss, E.R. 1976. Comparison of herpes simplex virus isolates using a quantitative selection assay for transformation. *Intervirology* 6: 72-82.
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5. Slomka, M.J. 1996. Seroepidemiology and control of genital herpes: the value of type specific antibodies to herpes simplex virus. *Commun. Dis. Rep. CDR Rev.* 3: R41-R45.
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8. Ni, Y., Goldman, D., Hoffman, B. and Brooks, P.J. 2003. Overexpression of an epitope-tagged serotonin transporter in serotonin neurons of the dorsal raphe nucleus using a defective HSV-1 vector. *Behav. Brain Res.* 138: 133-143.
9. Nozawa, N., Daikoku, T., Koshizuka, T., Yamauchi, Y., Yoshikawa, T. and Nishiyama, Y. 2003. Subcellular localization of herpes simplex virus type 1 UL51 protein and role of palmitoylation in Golgi apparatus targeting. *J. Virol.* 77: 3204-3216.

SOURCE

HSV-1 (014) is a mouse monoclonal antibody raised against whole herpes simplex virus type 1.

PRODUCT

Each vial contains 100 µg IgG₂ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

HSV-1 (014) is recommended for detection of HSV-1 by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

SELECT PRODUCT CITATIONS

1. Xu, K., Liu, X.N., Zhang, H.B., An, N., Wang, Y., Zhang, Z.C. and Wang, Y.N. 2014. Replication-defective HSV-1 effectively targets trigeminal ganglion and inhibits viral pathopoiesis by mediating interferon γ expression in SH-SY5Y cells. *J. Mol. Neurosci.* 53: 78-86.
2. Xu, K., Pan, S.Y., Song, J.X., Liu, X.N., An, N. and Zheng, X. 2016. Establishment of a novel therapeutic vector targeting the trigeminal ganglion in rats. *Drug Des. Devel. Ther.* 10: 585-592.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.