Herpes simplex virus (type 1),
Clone 20.7.1
Cat. no. MONX11008

Specificity
MONX11008 reacts with herpes simplex virus type 1. Crossreaction has been observed with some strains of poliovirus type 2 and cytomegalovirus (CMV) laboratory strain AD169 but not with primary tissue culture isolates of CMV. NCL-HSV does not crossreact with tissue culture isolates of respiratory syncytial virus, influenza virus types A and B, parainfluenza virus types 1, 2, 3 and 4b, adenovirus, herpes simplex virus type 2, varicella-zoster virus, mumps virus, measles virus, ECHOvirus 19, coxsackie B4 virus, poliovirus types 1 and 3 or negative tissue culture cells used in routine virus isolation.

Infection with Herpes simplex virus (HSV) is extremely common and pathogenesis can vary depending on a variety of factors. These factors include age, immune status of the individual, the antigenic type of infecting virus (HSV type 1 or HSV type 2) and the site of the infection. Herpes simplex virus type 1 is responsible for acute necrotising encephalitis and is detectable in the temporal lobe of the affected brain. MONX11008 is effective on formalin-fixed, paraffin-embedded clinical material. MONX11008 is for the specific identification of HSV type 1 strains and is effective in cell culture isolates.

Immunoglobulin type
Murine IgG1, kappa

Use
The antibody can be used for immunohistochemistry on paraffin sections. It can also used for immunofluorescence.

Instructions for use
Immunohistochemistry:
Typical working dilution 1:25 - 1:50.
Trypsin digestion of paraffin sections is recommended.
60 minutes primary antibody incubation at 25°C.
Standard ABC technique.

Indirect immunofluorescence:
Typical working dilution 1:25 - 1:50.
Read using immersion oil eg Cargille type FF

Staining pattern: nuclear and cytoplasmic
Antigen used for immunizations: Herpes simplex virus type 1 (Stoker strain).

Positive control
Immunohistochemistry; Formalin-fixed, paraffin-embedded herpes simplex virus type 1-infected brain tissue.
Immunofluorescence; Acetone-fixed HEp 2 cells infected with herpes simplex virus type 1.
**Presentation**
Lyophilised mouse ascitic fluid diluted in PBS with 1% BSA containing 15mM sodium azide. Reconstitute with 1ml or 0.1ml of sterile distilled water as indicated on vial label.

**Literature**

**Storage and Handling**
Store unopened lyophilised antibody at 4°C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. The reconstituted antibody is stable for at least two months when stored at 4°C. For long term storage, it is recommended that aliquots of the antibody are frozen at -20°C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.

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