Rabbit Anti-
Herpes Simplex
Virus Type 2 (MS)
Code No. B 0116
Lot 011. Edition 09.08.00

Presentation
DAKO Rabbit Anti-Herpes Simplex Virus Type 2 (MS) is the purified immunoglobulin fraction of rabbit antiserum.
Solvent: 0.1 mol/L NaCl, 15 mmol/L NaN₃.
Protein concentration: 10.6 g/L.

Immunogen
Detergent solubilized herpes simplex virus (HSV) type 2 (strain MS) infected whole rabbit cornea cells (continuous cell line).

Specificity
The antibody reacts with HSV type 2 specific antigens and with antigens common to HSV types 1 and 2. The antibody reacts with all the major glycoproteins present in the viral envelope and at least one core protein as determined by crossed immunoelectrophoresis. The antibody has been solid-phase absorbed with human and bovine serum. The antibody shows no reaction with human and bovine plasma when tested by ELISA. The antibody shows no cross-reactivity to cytomegalovirus and Epstein-Barr virus. A weak cross-reactivity to varicella zoster virus can be expected if the antibody is used in a relatively high concentration. However, no cross-reactivity was found when the antibody was tested by indirect immunofluorescence at a dilution of 1:50.

Application
The antibody is well-suited for detection of HSV in human cellular material obtained from superficial lesions or biopsies and for identification of HSV in infected tissue cultures.

Indirect immunofluorescence:
1. Place the test material on a microscope slide. Air dry and fix in acetone for 10 minutes at room temperature.
2. Rinse in distilled water for 2-3 minutes. Allow to air dry.
3. Incubate for 1 hour at 37 °C with Rabbit Anti-HSV Type 2 (DAKO code No. B 0116) diluted 1:100 in phosphate-buffered saline pH 7.2 containing 0.05% Tween 20 (PBST).
4. Rinse three times 3 minutes in PBST and 1 minute in distilled water. Air dry.
5. Incubate for 30 minutes at 37 °C with Fluorescein-Conjugated Swine Anti-Rabbit Immunoglobulins (DAKO code No. F 0205) diluted 1:50 in PBST.
6. Rinse three times 3 minutes in PBST and 1 minute in distilled water. Air dry.
7. Mount, for example in equal parts of glycerol and phosphate-buffered saline pH 8.

Indirect immunoperoxidase technique:
The recommended dilution of DAKO Anti-HSV Type 2 for the indirect immunoperoxidase technique is 1:100 (1).

ELISA:
The antibody is well-suited as coating (capture) antibody for detection of HSV in clinical specimens by a double antibody sandwich ELISA in combination with DAKO Peroxidase-Conjugated Anti-HSV Type 2 (code No. P 0176). Recommended dilution for coating of a microtitre plate (Nunc MaxiSorp) is 1:1000 (2).
Serology:
The antibody is also well-suited as blocking antibody for the performance of HSV type-specific ELISA serology (3).

Storage
2-8 °C.

References