

Herpes Simplex Virus II (Polyclonal)

Rabbit anti-human Herpes Simplex Virus II Antibody (Polyclonal)

REFERENCES AND PRESENTATIONS¹

- **ready-to-use** (manual or LabVision AutoStainer)
MAD-000595QD-3
MAD-000595QD-7
MAD-000595QD-12
- **Ready-to-use (MD-Stainer)²**
MAD-000595QD-3/V
MAD-000595QD/V
- **concentrated**
MAD-000595Q - 1:50 recommended dilution

COMPOSITION: anti-human Herpes Simplex Virus II rabbit polyclonal antibody purified from serum and prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide

INTENDED USE : Immunohistochemistry (IHC) on paraffin embedded tissues. Not tested on frozen tissues or Western-Blotting

CLONE: Polyclonal

IG ISOTYPE: Rabbit IgG

SPECIES REACTIVITY: In vitro diagnostics in humans. Not tested in other species

DESCRIPTION AND APPLICATIONS: Herpes viruses type 1 and 2 (HSV-1 and HSV-2) belong to the family of herpesviridae. Its genome consists of a linear double molecule of DNA of approximately 100,000 kD encoding more than 75 gene products. The homology between the genomic structure of HSV-1 and 2 is of approximately 50%, so that while most of the polypeptides encoded for each type of herpes virus have a similar structure and are antigenically related, there are numerous proteins of both viruses that condition particular responses of the host's immune system and allow its serological and immunohistochemical differentiation.

The monoclonal antibody described herein reacts with the herpes simplex virus type 2 and is useful in detecting HSV II induced lesions.

At high concentrations, cross-reactivity has been observed against some strains of the varicella zoster virus. The antibody does not react against CMV or Epstein-Barr virus cultures.

IHC POSITIVE CONTROL: Infected tissue (HSV II)

VISUALIZATION: Cytoplasmic, nuclear

IHC RECOMMENDED PROCEDURE:

- 4µm thick section should be taken on charged slides; dry overnight at 60°C
- Deparaffinise, rehydrate and HIER (heat induced epitope retrieval) – boil tissue in the Pt Module using Vitro S.A EDTA buffer pH8³ for 20 min at 95°C. Upon completion rinse with 3-5 changes of distilled or deionised water followed by cooling at RT for 20 min
- Endogenous peroxidase block - Blocking for 10 minutes at room temperature using peroxidase solution (ref. MAD-021540Q-125)
- Primary antibody: incubate for 10 minutes [The antibody dilution (when concentrated) and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by the individual laboratory]
- For detection use Master Polymer Plus Detection System (HRP) (DAB included; ref. MAD-000237QK)
- Counterstaining with haematoxylin and final mounting of the slide

STORAGE AND STABILITY:  Stored at 2-8°C. Do not freeze.  Once the packaging has been opened it can be stored until the expiration date of the reagent indicated on the label. If the reagent has been stored under other conditions to those indicated in this document, the user must first check its correct performance taking into account the product warranty is no longer valid.

WARNINGS AND PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

¹ These references are for presentation in vials of Low Density Polyethylene (LDPE) dropper. In case the products are used in automated stainers, a special reference is assigned as follows:

- / L: Cylindrical screw-cap vials (QD-3 / L, QD-7 / L, QD-12 / L).
- / N: Polygonal screw-cap vials (QD-3 / N, QD-7 / N, QD-12 / N).

For different presentations (references / volumes) please contact the supplier.

² For Technical specifications for MD-Stainer, please contact your distributor.

³ Ref: MAD-004072R/D



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SAFETY RECOMMENDATIONS:

This product is intended for laboratory professional use only. The product is NOT intended to be used as a drug or for domestic purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching the reference number at www.vitro.bio or can be requested at regulatory@vitro.bio.

BIBLIOGRAPHY

1. Schenck P, Pietschmann S, Gelderblom H, et al.. Monoclonal antibodies against Herpes simplex virus type 1-infected nuclei defining and localising the ICP8 protein, 65k DNA-binding protein and polypeptides of the ICP35 family. J. Gen. Virol. 69: 99-111 (1988).
2. Li Y, Hidaka Y, Kino Y, et al.. Seroepidemiology of herpes simplex virus type 1 in Yanji, Jilin, China. Microbiol. Immunol. 34, 6: 551-555 (1990).
3. Martin JR, Holt RK, Langston C, Gilden DH, Richardson EP Jr, Manz HJ, Singer DB. Type-specific identification of herpes simplex and varicella-zoster virus antigen in autopsy tissues. Hum Pathol. 22:75-80 (1991).
4. Wilson P, Cropper L M, Patt R, et al.. Production of herpes simplex virus fluorescein labelled typing reagents. J. of Virol. Methods. 45: 19-26 (1993).
5. Vago L, Nebuloni M, Sala E, Cinque P, Bonetto S, Isella A, Ottoni L, Crociati A, Costanzi G. Coinfection of the central nervous system by cytomegalovirus and herpes simplex virus type 1 or 2 in AIDS patients: autopsy study on 82 cases by immunohistochemistry and polymerase chain reaction. Acta Neuropathol (Berl). 92: 404-408 (1996).

LABEL AND BOX SYMBOLS

Explanation of the symbols of the product label and box:

	Expiration date
	Temperature limit
	Manufacturer
	Sufficient content for <n> assays
	Catalog number
	Lot code
	Refer to the instructions of use
	Medical product for <i>in vitro</i> diagnosis.
	Material safety data sheet



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