

**Mouse Anti-HSV I (HERPES SIMPLEX VIRUS TYPE I) [10A3]: MC0540, MC0540RTU7**

**Intended Use:** For Research Use Only

**Description:** The antibody reacts with HSV type 1 specific antigens and with antigens common for 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. It is well-suited 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.

**Specifications:**

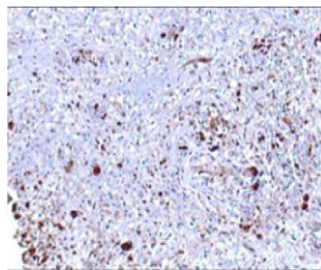
Clone: 10A3  
Source: Mouse  
Isotype: IgG1  
Reactivity: Human  
Localization: Cytoplasm, nucleus  
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC  
Package:

Description	Catalog No.	Size
HSV I (HERPES SIMPLEX VIRUS TYPE I) Concentrated	MC0540	1 ml
HSV I (HERPES SIMPLEX VIRUS TYPE I) Prediluted	MC0540RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: HSV infected tissue  
Concentrated Dilution: 25-200  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 min @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human skin with HSV infection stained with anti-HSV I using DAB

**References:**

1. Transneuronal tracing of airways-related sensory circuitry using herpes simplex virus 1, strain H129. McGovern AE, et al. Neuroscience 207:148-66, 2012.
2. Antivirals reduce the formation of key Alzheimer's disease molecules in cell cultures acutely infected with herpes simplex virus type 1. Wozniak MA, et al. PLoS One 6:e25152, 2011.
3. The Herpes Simplex Virus-1 Transactivator Infected Cell Protein-4 Drives VEGF-A Dependent Neovascularization. Wuest T, et al. PLoS Pathog 7:e1002278, 2011.
4. Alzheimer's disease-specific tau phosphorylation is induced by herpes simplex virus type 1. Wozniak MA, et al. J Alzheimers Dis 16:341-50, 2009.
5. Herpes simplex virus infection causes cellular beta-amyloid accumulation and secretase upregulation. Wozniak MA, et al. Neurosci Lett 429:95-100, 2007.

Doc. 100-MC0540  
Rev. A

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