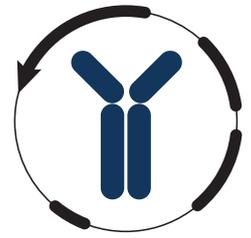


# Datasheet



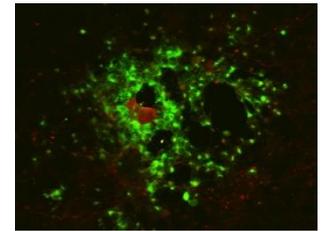
Mouse mAb to **HSV-1 gD**  
Clone **EBS-I-042**  
Isotype **IgG2a-κ**

## Source

A BALB/c mouse was immunized with an HSV-1 isolate.  
Fusion partner: X63-Ag8.653.

## Specifications

Membrane fusion is mediated by envelope glycoproteins for enveloped viruses like herpes simplex. Four of at least 10 viral glycoproteins are necessary and sufficient to facilitate fusion of herpes simplex to target cells. These four glycoproteins include glycoprotein B (gB), glycoprotein D (gD), glycoprotein H (gH) and glycoprotein L (gL). Fusion is dependent upon the expression of a gD receptor on target cell membranes.



**Figure 1:** Neurons stained for HSV-1 (FITC)

## Species reactivity

Positive: HSV-1.  
Negative: HSV-2.

## Applications

EBS-I-042 can be applied to immunohistology, IFA and ELISA.

ELISA	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	+

## Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.  
Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

## Dilution advice

- ELISA (solid phase: not known; tracer: 0,001-100 µg/ml for 30 min at RT).
- Immunofluorescence (0.5-1 µg/ml).
- Immunohistology (1-2 µg/ml for 30-60 minutes at RT).

## Positive control

HSV-1 preparations and HSV-1 infected cells.

## References

- Bystricka, M, et al, *Acta Virol.* **43**: 399-402 (1999).
- De Regge N, et al. *PLoS ONE* 5(9): e13076 (2010).