

# Datasheet



Mouse mAb to **EBV-EBNA1**  
Clone **EBS-I-024**  
Isotype **IgG1-κ**

## Source

A Boizzi mouse was immunized with EBNA1 synthetic peptide (AA 424-460).  
Fusion partner: Sp2/0.

## Specifications

EBS-I-024 reacts with a conserved domain on EBNA1 (AA 430-442), present in all EBV isolates. EBNA1 is expressed in all viral latency stages in vitro and in vivo.

## Species reactivity

Positive: EBV.  
Negative: Other herpes viruses.

## Applications

Immunohistochemistry and IFA on cultured cells: strongly positive on EBV+ tumor tissue by immunohistochemistry on FFPE sections. Strongly positive on immunoblot. Suitable for EBNO typing. Used in antigen capture ELISA. Suitable for functional studies: not interfering with DNA binding.

ELISA	Immunofluorescence	Paraffin sections	Western blotting
+	+	+	+

## 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

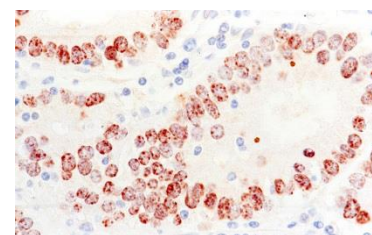
- ELISA (solid phase: 0,1-100 µg/ml; tracer: 0,001-100 µg/ml for 30 min at RT).
- Immunoblotting (1.0-2.0 µg/ml).
- Immunofluorescence (0.5-1 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT).

## Positive control

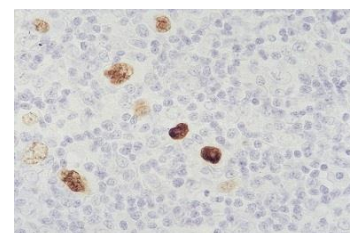
EBV transformed cells.

## References

- Chen, MR et al. *J. Virol.* **67(8)**: 4875-85 (1993).
- Chen, MR et al. *J. Biomed. Sci.* **5(3)**: 173-9 (1998).
- Sivachandra, N, et al, *J. Virol.* **86(1)**: 60-68 (2012).



**Figure 1:** Human gastric cancer stained with EBS-I-024 (paraffin)



**Figure 2:** Hodgkin's disease stained with EBS-I-024 (paraffin)