Datasheet

Mouse mAb to **EBV-EA (p50-55)**
Clone **1108-1**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with immunoprecipitated EBV early antigens.
Fusion partner: NS-0.

Specifications

1108-1 Recognizes a 55-50 kDa polypeptide associated with the early antigen of Epstein-Barr virus (EBV). p55 Has been shown to be a phosphoprotein and p55-50 has strong DNA-binding activity preferentially to single-stranded DNA. Epstein-Barr virus is the causitive agent of infectious mononucleosis and is associated with two human neoplasms, Burkitt's lymphoma and nasopharyngeal carcinoma. Several EBV-related antigens associated with early or late functions of the viral genome have been identified. The early antigen may be virally or chemically induced in EBV infected cells and is the first detectable marker of EBV infection in human cells.

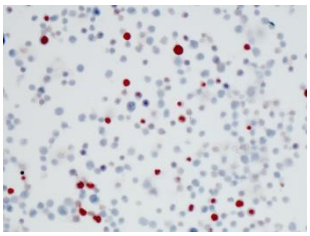

Figure 1: Activated Raji cells stained with 1108-1 (culture slide)

Species reactivity

Positive: human.

Applications

Demonstration of EBV-EA.

Flow cytometry	Frozen sections	Immunofluorescence	Immunoprecipitation	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

- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30-60 minutes at RT; for staining of formalin-fixed tissues no suitable antigen retrieval method is known to date).
- Immunoprecipitation (1-2 µg per 100-500 µg cell lysate protein/1 ml of anti-mouse coated Sepharose-4B suspension).

Positive control

Chemically induced Raji cells.

References

- Epstein, AL. *J. Virol.* **50**: 372-379 (1984).