

Datasheet



Mouse mAb to **Flavivirus Group Antigen**
Clone **EBS-I-510**
Isotype **IgG2a-κ**

Source

A BALB/c mouse was immunized with inactivated dengue virus.
Fusion partner: P3-X63-Ag8.653.

Specifications

EBS-I-510 reacts with an antigen common to all flaviviruses.

Species reactivity

Positive: human and animals subject to infection with flaviviruses.

Applications

EBS-I-510 is excellent for immunohistology, immunofluorescence and ELISA.

ELISA	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	Citrate

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 (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues is best after boiling tissue sections in 10mM citrate buffer, pH 6,0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Flavivirus infected cells or tissues.

References

- Kimura-Kuroda J, et al, *J Virol.* **45(1)**: 124-32 (1983).
- Sithiprasasna R, et al, *Ann Trop Med Parasitol* **88(4)**: 397-404 (1994).
- Falconar AK, *Arch Virol.* **144(12)**: 2313-30 (1999).
- Johnson AJ, et al, *J Clin Microbiol.* **38(5)**: 1827-31 (2000).
- Nawa M, et al, *J Virol Methods.* **92(1)**: 65-70 (2001).
- Paradkar PN, et al, *Biosci Rep.* **31(3)**: 221-30(2011).

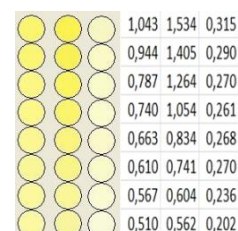


Figure 1: 1:2 Titration by ELISA on dengue 2 and dengue 3 with EVS-I-510, starting at 0,04 g/L (left lanes), and control antibody (right lane).