

Datasheet



Mouse mAb to **Dengue virus type 3**
Clone **EBS-I-503**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with inactivated dengue virus type 3.
Fusion partner: P3X63Ag.653.

Specifications

EBS-I-503 reacts with dengue virus type 3 but not with dengue virus type 1, type 2 nor type 4.

Species reactivity

Positive: human and animals subject to infection with dengue virus type 3.

Applications

EBS-I-503 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

Cells or tissues infected with dengue virus type 3.

References

- Dittmar, D, et al, *J Clin Microbiol* **12(1)**: 74-8 (1980).
- Dittmar, D, et al, *J Gen Virol* **59(Pt 2)**: 273-82 (1982).
- Henchal EA, et al, *Am J Trop Med Hyg.* **31(4)**: 830-6 (1982).
- Serafin IL, et al, *Arch Virol.* **146(12)**: 2469-2479 (2001).

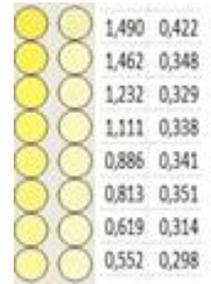


Figure 1: 1:2 Titration by ELISA on dengue 3 with EBS-I-503, starting at 0,04 g/L (left lane), and control antibody (right lane)