

Datasheet



Mouse mAb to **Beta-2 microglobulin**
Clone **EBS-O-109**
Isotype **IgG2a-κ**

Source

A BALB/c mouse was immunized with human PBL from a T-ALL patient.
Fusion partner: NS-1.

Specifications

EBS-O-109 reacts with human β -2 microglobulin, a 22 kDa protein, which associates non-covalently with the 44kDa α 1-chain of the HLA Class I complex found on all nucleated cells and on platelets. There is no reaction with erythrocytes, neither with non-human primate cells. The detection of β -2 microglobulin in body fluids has been used as a tumor marker, renal failure marker and for monitoring patients with HIV infection.

Species reactivity

Positive: human.
Negative: non human primates.

Applications

Detection of human β -2 microglobulin as a.o. tumor marker, renal failure marker and for monitoring HIV patients.

ELISA	Flow cytometry	Frozen 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: 0,1-100 μ g/ml; tracer: 0,001-100 μ g/ml for 30 min at RT).
- Flow cytometry (0,5-1,0 μ g/million cells in 0,1 ml).
- Immunohistology (1-2 μ g/ml for 30-60 minutes at RT; information on a suitable antigen retrieval method for staining of formalin-fixed tissues is unavailable to date).

Positive control

Human PBL.

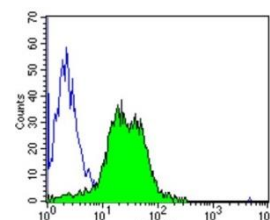


Figure 1: Jurkat cells stained with EBS-O-109 (FACS)

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References

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- Betts RL, et al. Monoclonal hybridoma antibodies: Techniques and applications. Edited by D. Hurrel. Uniscience series program. C.R.C. Press, Cleveland, OH: 1983, pp. 193-222
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