

Datasheet



Mouse mAb to **TNF-alpha**
Clone **EBS-O-174**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with human rTNF-alpha.
Fusion partner: NS-1.

Specifications

EBS-O-174 reacts with human and rat TNF-alpha but not with mouse TNF-alpha. This antibody neutralizes TNF alpha biological activities. It prevents TNF alpha induced apoptosis in Jurkat cells. It also neutralizes Hu-rTNFa-mediated cytotoxicity of L929 cells and inhibits tumor growth in mice. It protects mice against toxicity of Hu-rTNFa.

Species reactivity

Positive: human, rat.
Negative: mouse.

Applications

Detection of TNF-alpha and in vivo studies.

Blocking function	ELISA	Flow cytometry	Frozen sections	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).
- Flow cytometry (0,5-1,0 ug/million cells in 0.1ml).
- Immunoblotting (1-2 µg/ml).
- Immunofluorescence (1-2 µg/ml).
- Inhibits tumor growth (order Ab without azide).
- 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).
- Neutralizes rTNF-alpha mediated cytotoxicity (order Ab without azide).
- Protects mice against toxicity of rhTNF-alpha (order Ab without azide).

Positive control

HeLa, HL-60, or A431 cells. Macrophages in lymph node or tonsil.

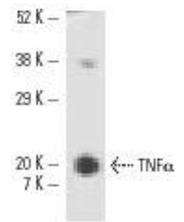


Figure 1: HeLa cell lysate stained with EBS-O-174 (Western blot)

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References

- McLaughlin PJ, et al, *Anticancer Res* **12**, 1243-1246 (1992).
- P. Vassalli, *Annu Rev Immunol* **10**: 411-452 (1992).
- M. Pasparakis, et al, *Cytokine and Growth Factor Reviews* **7**: 223-229 (1996).
- Eigler, et al, *Immunology Today* **18**: 487-492 (1997).
- Kalli K R, Kaufmann S H, et al. *Molecular Pharmacology* **64(6)**: 1434-1443 (2003).
- R. Pijnenborg, et al, *Placenta* **19(4)**: 231-239 (1998).