

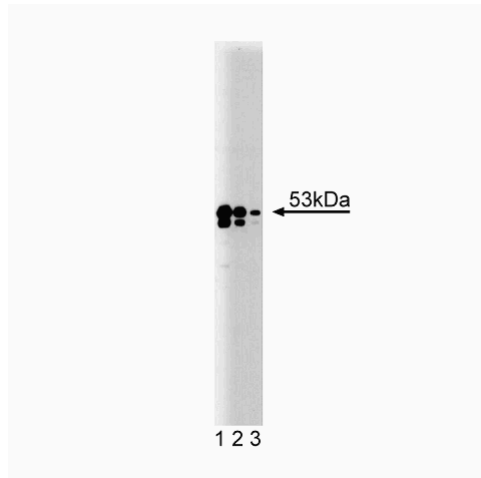
Technical Data Sheet

Purified Mouse Anti-TEF-1**Product Information**

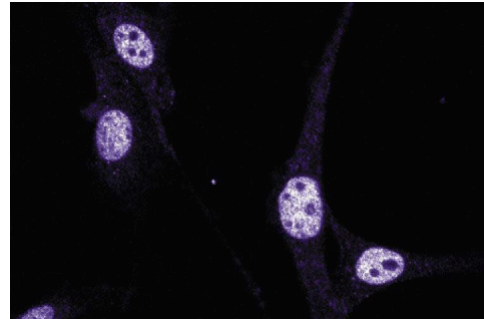
Material Number:	610922
Size:	50 µg
Concentration:	250 µg/ml
Clone:	31/TEF-1
Immunogen:	Human TEF-1 aa. 86-199
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Mouse
Target MW:	53 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

TEF-1 (transcription enhancer factor-1) is a member of a family of transcription factors that contain an evolutionarily conserved DNA binding domain (DBD), TEA/ATTS. TEF-1 was identified as a HeLa cell transcriptional activator that bound, via its TEA domain, to the GT-IIC and Sph enhancer elements. Comparison of various enhancers indicates that TEF-1 binds to highly degenerate DNA sequences and cooperatively interacts with tandem repeats of its binding sites, which increases its enhancer activity. However, the DNA binding activities of TEF-1 are modulated by sequences outside the DBD. The N-terminal basic portion of TEF-1 contains the DBD. The C-terminal portion contains the transactivation domain and a zinc finger-like motif that is thought to be involved in protein dimerization or interaction with additional transcription factors. TEF-1 induced transcription requires a limiting transcriptional intermediary factor (TIF) and a TATA-binding protein associated factor (hTAFIIIs). Although TEF-1 is expressed ubiquitously during embryogenesis, its expression is limited to adult kidney, heart, brain, skeletal muscle, and lungs. Disruption of murine TEF-1 gene results in fetal death.



Western blot analysis of TEF-1 on A431 lysate. Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of TEF-1.



3T3-L1

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at -20°C.

Application Notes**Application**

Western blot	Routinely Tested
Immunofluorescence	Tested During Development

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.

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3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

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