

**MTF1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant MTF1.****Catalog # AT2925a****Specification**

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**MTF1 Antibody (monoclonal) (M01) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, E                     |
| Primary Accession | <a href="#">Q14872</a>    |
| Other Accession   | <a href="#">NM_005955</a> |
| Reactivity        | Human                     |
| Host              | mouse                     |
| Clonality         | Monoclonal                |
| Isotype           | IgG2a Kappa               |
| Calculated MW     | 80957                     |

**MTF1 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 4520**Other Names**

Metal regulatory transcription factor 1, MRE-binding transcription factor, Transcription factor MTF-1, MTF1

**Target/Specificity**

MTF1 (NP\_005946, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

E~~N/A

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

MTF1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

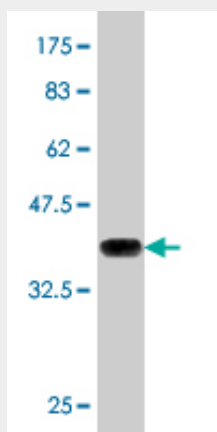
**MTF1 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

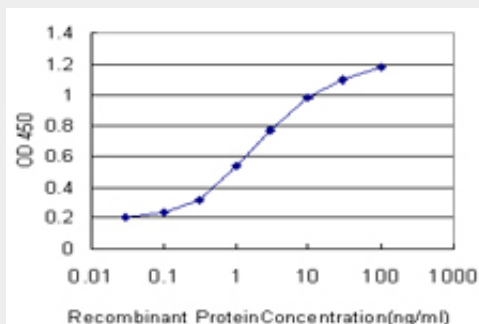
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### MTF1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Detection limit for recombinant GST tagged MTF1 is approximately 0.3ng/ml as a capture antibody.

#### MTF1 Antibody (monoclonal) (M01) - Background

This gene encodes a transcription factor that induces expression of metallothioneins and other genes involved in metal homeostasis in response to heavy metals such as cadmium, zinc, copper, and silver. The protein is a nucleocytoplasmic shuttling protein that accumulates in the nucleus upon heavy metal exposure and binds to promoters containing a metal-responsive element (MRE).

#### MTF1 Antibody (monoclonal) (M01) - References

1. Fetal Exposure to Cocaine Causes Programming of Prkce Gene Repression in the Left Ventricle of Adult Rat Offspring. Zhang H, Meyer KD, Zhang L. Biol Reprod. 2009 Mar;80(3):440-8. Epub 2008 Oct 22