

## Datasheet

### MTF1 monoclonal antibody (M01), clone 2E5

**Catalog Number:** H00004520-M01

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant MTF1.

**Clone Name:** 2E5

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

**Sequence:**

GTVYDRRTVLIEQDPGTLEDEDDDGQCGEHLPFLVGG  
EEGFHLIDHEAMSQGYVQHIISPDQIHLTINPGSTPMPR  
NIEGATLTQSECPETKRKEVKRY

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, S-ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

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

**Entrez GeneID:** 4520

**Gene Symbol:** MTF1

**Gene Alias:** MGC23036, MTF-1, ZRF

**Gene Summary:** 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). [provided by RefSeq]

**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