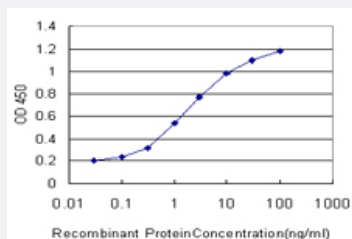


MTF1 monoclonal antibody (M01), clone 2E5

Catalog # H00004520-M01

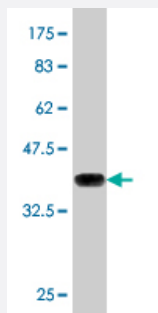
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant MTF1.

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

GTVYDRTTVLIEQDPGTLEDEDDDGQCGEHLPFLVGGEEGFHLIDHEAMSQGYVQHIISPDQIHLTI
NPGSTPMPRNIEGATLTQSECPETKRKEVKRY

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (94); Rat (94)
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Isotype	IgG2a Kappa
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Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
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Storage Buffer	In 1x PBS, pH 7.4
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Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — MTF1

Entrez GeneID	4520
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GeneBank Accession#	NM_005955
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Protein Accession#	NP_005946
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Gene Name	MTF1
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Gene Alias	MGC23036, MTF-1, ZRF
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Gene Description	metal-regulatory transcription factor 1
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Omim ID	600172
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Gene Ontology	Hyperlink
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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]

Other Designations

MRE-binding transcription factor-1|OTTHUMP00000004731|metal-responsive transcription factor 1|zinc regulatory factor

Publication Reference

- [Fetal Exposure to Cocaine Causes Programming of Prkce Gene Repression in the Left Ventricle of Adult Rat Offspring.](#)

Zhang H, Meyer KD, Zhang L.

Biology of Reproduction 2008 Oct; 80(3):440.

Application: Func, Rat, Rat heart

Disease

- [Amyotrophic lateral sclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [NARP](#)