

TFEC Antibody (monoclonal) (M08)**Mouse monoclonal antibody raised against a partial recombinant TFEC.****Catalog # AT4220a****Specification**

TFEC Antibody (monoclonal) (M08) - Product Information

Application	WB, E
Primary Accession	O14948
Other Accession	NM_001018058
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	38788

TFEC Antibody (monoclonal) (M08) - Additional Information**Gene ID** 22797**Other Names**

Transcription factor EC, TFE-C, Class E basic helix-loop-helix protein 34, bHLHe34, Transcription factor EC-like, hTFEC-L, TFEC, BHLHE34, TC FEC, TFECL

Target/Specificity

TFEC (NP_001018068.1, 1 a.a. ~ 89 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

TFEC Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

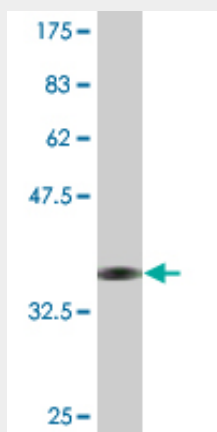
TFEC Antibody (monoclonal) (M08) - Protocols

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

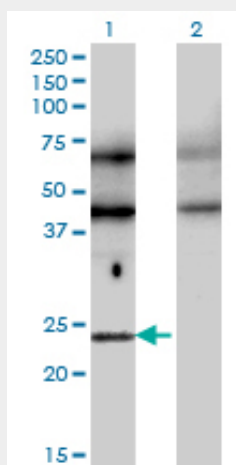
- [Western Blot](#)
- [Blocking Peptides](#)

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

TFEC Antibody (monoclonal) (M08) - Images

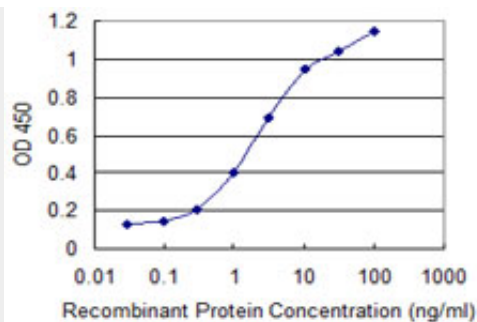


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .



Western Blot analysis of TFEC expression in transfected 293T cell line by TFEC monoclonal antibody (M08), clone 4F11.

Lane 1: TFEC transfected lysate (22.7 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged TFEC is 0.1 ng/ml as a capture antibody.

TFEC Antibody (monoclonal) (M08) - References

The DNA sequence of human chromosome 7. Hillier LW, et al. Nature, 2003 Jul 10. PMID 12853948. Human chromosome 7: DNA sequence and biology. Scherer SW, et al. Science, 2003 May 2. PMID 12690205. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932. The microphthalmia transcription factor and the related helix-loop-helix zipper factors TFE-3 and TFE-C collaborate to activate the tartrate-resistant acid phosphatase promoter. Mansky KC, et al. J Leukoc Biol, 2002 Feb. PMID 11818452. TFEC can function as a transcriptional activator of the nonmuscle myosin II heavy chain-A gene in transfected cells. Chung MC, et al. Biochemistry, 2001 Jul 31. PMID 11467950.