

**TCF4 Antibody (monoclonal) (M03)****Mouse monoclonal antibody raised against a full length recombinant TCF4.****Catalog # AT4188a****Specification**

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**TCF4 Antibody (monoclonal) (M03) - Product Information**

Application	WB, IF, E
Primary Accession	<a href="#">P15884</a>
Other Accession	<a href="#">BC031056.1</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	71308

**TCF4 Antibody (monoclonal) (M03) - Additional Information****Gene ID** 6925**Other Names**

Transcription factor 4, TCF-4, Class B basic helix-loop-helix protein 19, bHLHb19, Immunoglobulin transcription factor 2, ITF-2, SL3-3 enhancer factor 2, SEF-2, TCF4, BHLHB19, ITF2, SEF2

**Target/Specificity**

TCF4 (AAH31056.1, 1 a.a. ~ 365 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

IF~~1:50~200

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**

TCF4 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

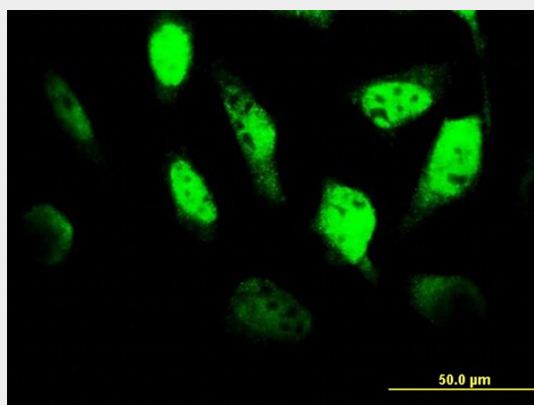
**TCF4 Antibody (monoclonal) (M03) - Protocols**

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

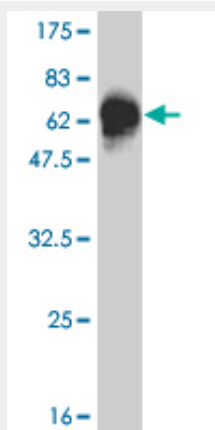
- [Western Blot](#)

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

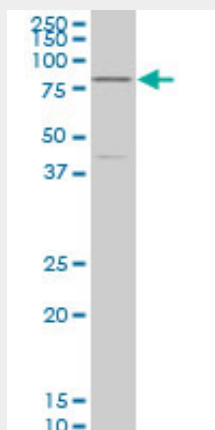
## TCF4 Antibody (monoclonal) (M03) - Images



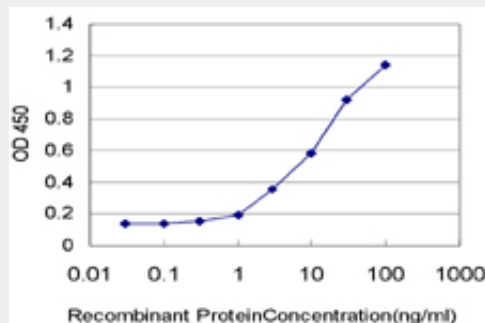
Immunofluorescence of monoclonal antibody to TCF4 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (65.89 KDa) .



TCF4 monoclonal antibody (M03), clone 1G4 Western Blot analysis of TCF4 expression in K-562 (Cat # AT4188a )



Detection limit for recombinant GST tagged TCF4 is approximately 1ng/ml as a capture antibody.

### TCF4 Antibody (monoclonal) (M03) - Background

This gene encodes transcription factor 4, a basic helix-turn-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is expressed predominantly in pre-B-cells, although it is found in other tissues as well. Multiple alternatively spliced transcript variants that encode different proteins have been described. [provided by RefSeq]

### TCF4 Antibody (monoclonal) (M03) - References

1. Knockdown of Human TCF4 Affects Multiple Signaling Pathways Involved in Cell Survival, Epithelial to Mesenchymal Transition and Neuronal Differentiation. Forrest MP, Waite AJ, Martin-Rendon E, Blake DJ. PLoS One. 2013 Aug 23;8(8):e73169.
2. Inhibition of endothelial cell activation by bHLH protein E2-2 and its impairment of angiogenesis. Tanaka A, Itoh F, Nishiyama K, Takezawa T, Kurihara H, Itoh S, Kato M. Blood. 2010 May 20;115(20):4138-47. Epub 2010 Mar 15.