

## TCF4 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant TCF4.

Catalog # AT4188a

### Product Information

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<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">P15884</a>
<b>Other Accession</b>	<a href="#">BC031056.1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	1G4
<b>Calculated MW</b>	71308

### Additional Information

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<b>Gene ID</b>	6925
<b>Other Names</b>	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
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:500~1000 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	TCF4 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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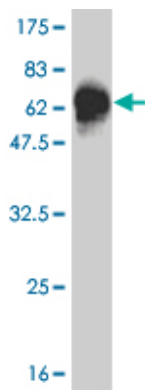
This gene encodes transcription factor 4, a basic helix-turn-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is expressed predominantly in pre-B-cells, although it is found in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

### References

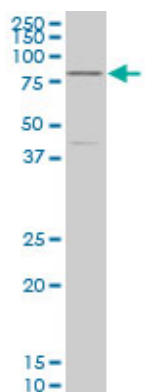
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1. Knockdown of Human TCF4 Affects Multiple Signaling Pathways Involved in Cell Survival, Epithelial to Mesenchymal Transition and Neuronal Differentiation. Forrest MP, Waite AJ, Martin-Rendon E, Blake DJ. PLoS One. 2013 Aug 23;8(8):e73169. 2. Inhibition 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.

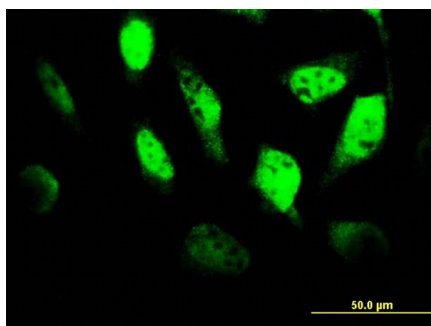
## Images



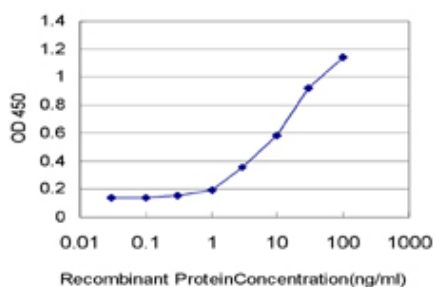
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (65.89 kDa) .



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.