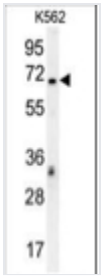
TCF4 Antibody – Rabbit Polyclonal

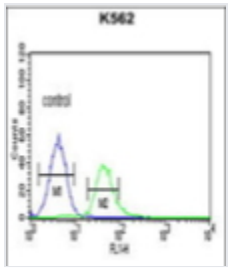
PRODUCT OVERVIEW

Product Name	TCF4, Polyclonal Antibody
Full Product Name	TCF4, NT (TCF4, BHLHB19, ITF2, SEF2, Transcription factor 4, Class B basic helix-loop-helix protein 19, Immunoglobulin transcription factor 2, SL3-3 enhancer factor 2) (Biotin)
Product Gene Name	anti-TCF4 antibody
Product Synonym Names	TCF4; BHLHB19; ITF2; SEF2; Transcription factor 4; Class B basic helix-loop-helix protein 19; Immunoglobulin transcription factor 2; SL3-3 enhancer factor 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human TCF4.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	71,308 Da
Chromosome Location	Chromosome: 18; NC_000018.9 (52889562..53255860, complement). Location: 18q21.1
OMIM	602272
3D Structure	ModBase 3D Structure for P15884
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 48-73 in the N-terminal region of human TCF4, UniProt Accession # P15884. Species sequence homology: mouse
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-TCF4 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TCF4 antibody	Western Blot (WB), Flow Cytometry (FC/FACS), ELISA (EIA)
Application Notes for anti-TCF4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TCF4 antibody	TCF4 is 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. Defects in this gene are a cause of Pitt-Hopkins syndrome.
Product References and Citations for anti-TCF4 antibody	1. Rosenfeld, J.A., et al. Genet. Med. 11(11):797-805(2009). 2. Herbst, A., et al. Biochem. Biophys. Res. Commun. 387(4):736-740(2009). 3. Rena, V., et al. Placenta 30(10):876-883(2009). 4. Henthorn, P., et al. Science 247(4941):467-470(1990).

Other Notes	Small volumes of anti-TCF4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TCF4 purchase	MBS6354504 is an antibody targeting TCF4. Also known as TCF4, NT (TCF4, BHLHB19, ITF2, SEF2, Transcription factor 4, Class B basic helix-loop-helix protein 19, Immunoglobulin transcription factor 2, SL3-3 enhancer factor 2) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TCF4 antibody
Western Blot analysis in K562 cell line lysates (35ug/lane) usingMBS645821. This demonstrates that MBS645821 detected the TCF4 protein (arrow).



Flow Cytometry (FC/FACS) of anti-TCF4 antibody
Flow Cytometric analysis of K562 cells (right histogram) using MBS645821 compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TCF4. It may not necessarily be applicable to this product.

NCBI GI #	4507399
NCBI GeneID	6925
NCBI Accession #	NP_003190.1
UniProt Primary Accession #	P15884
UniProt Secondary Accession #	Q08AP2; Q08AP3; Q15439; Q15440; Q15441; B4DT37
UniProt Related Accession #	P15884; Q59ES0
GenBank Nucleotide #	NM_003199.2
NCBI Official Full Name	transcription factor 4 isoform b
NCBI Official Synonym Full Names	transcription factor 4
NCBI Official Symbol	TCF4
NCBI Official Synonym Symbols	E2-2; ITF2; PTHS; SEF2; SEF2-1; SEF2-1A; SEF2-1B; bHLHb19; MGC149723; MGC149724
UniProt Protein Name	Transcription factor 4
UniProt Synonym Protein Names	Class B basic helix-loop-helix protein 19; bHLHb19; Immunoglobulin transcription factor 2; ITF-2; SL3-3 enhancer factor 2
Protein Family	Transcription factor
UniProt Gene Name	TCF4
UniProt Synonym Gene Names	BHLHB19; ITF2; SEF2; TCF-4; bHLHb19; ITF-2; SEF-2
UniProt Entry Name	ITF2_HUMAN
NCBI Protein Information	transcription factor 4; ITF-2; SEF-2; TCF-4; OTTHUMP00000163567; OTTHUMP00000163568; SL3-3 enhancer factor 2; immunoglobulin transcription factor 2; class B basic helix-loop-helix protein 19

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