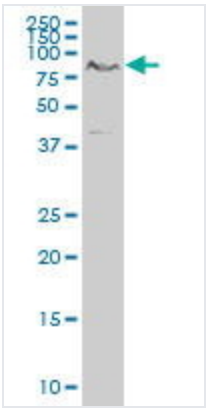
TCF7L2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TCF7L2, Monoclonal Antibody
Full Product Name	TCF7L2 (Transcription Factor 7-like 2 (T-Cell Specific, HMG-Box), TCF-4, TCF4) (HRP)
Product Gene Name	anti-TCF7L2 antibody
Product Synonym Names	Transcription Factor 7-like 2 (T-Cell Specific; HMG-Box); TCF-4; TCF4
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1B2
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes TCF7L2.
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. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	TCF7L2 (AAH32656, 1aa-455aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Conjugate	HRP
Product Categories/Family for anti-TCF7L2 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TCF7L2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-TCF7L2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TCF7L2 antibody	MBS6181311 is an antibody targeting TCF7L2. Also known as TCF7L2 (Transcription Factor 7-like 2 (T-Cell Specific, HMG-Box), TCF-4, TCF4) (HRP). Host: Mouse.
Other Notes	Small volumes of anti-TCF7L2 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.



Western Blot (WB) of anti-TCF7L2 antibody
TCF7L2 monoclonal antibody (M07), clone 1B2 Western Blot analysis of TCF7L2 expression in Hela S3 NE (Cat # L013V3).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TCF7L2. It may not necessarily be applicable to this product.

NCBI GI #	21619669
NCBI GeneID	6934
NCBI Accession #	AAH32656
UniProt Related Accession #	Q9NQB0
NCBI Official Full Name	TCF7L2 protein
NCBI Official Synonym Full Names	transcription factor 7 like 2
NCBI Official Symbol	TCF7L2
NCBI Official Synonym Symbols	TCF4; TCF-4
Protein Family	Transcription factor
NCBI Protein Information	transcription factor 7-like 2
NCBI Summary for TCF7L2	This gene encodes a high mobility group (HMG) box-containing transcription factor that plays a key role in the Wnt signaling pathway. The protein has been implicated in blood glucose homeostasis. Genetic variants of this gene are associated with increased risk of type 2 diabetes. Several transcript variants encoding multiple different isoforms have been found for this gene.[provided by RefSeq, Oct 2010]
Research Articles on TCF7L2	**1.** the TCF7L2 rs7903146 variant affects markers of insulin resistance and glycemic response to metformin in newly diagnosed patients with type 2 diabetes within the first year of metformin treatment
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