



TCF12 blocking peptide (CDBP6245)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description The protein encoded by this gene is a member of the basic helix-loop-helix (bHLH) E-protein family that recognizes the consensus binding site (E-box) CANNTG. This encoded protein is expressed in many tissues, among them skeletal muscle, thymus, B- and T-cells, and may participate in regulating lineage-specific gene expression through the formation of heterodimers with other bHLH E-proteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]

Conjugate Unconjugated

Applications Used as a blocking peptide in immunoblotting applications.

Format Liquid

Concentration 200 µg/mL

Size 0.05 mg

Preservative None

Storage -20°C

GENE INFORMATION

Gene Name [TCF12 transcription factor 12 \[Homo sapiens \(human\) \]](#)

Official Symbol TCF12

Synonyms TCF12; transcription factor 12; HEB; CRS3; HTF4; bHLHb20; HsT17266; TCF-12; E-box-binding protein; DNA-binding protein HTF4; transcription factor HTF-4; helix-loop-helix transcription factor 4; class B basic helix-loop-helix protein 20

Entrez Gene ID	6938
mRNA Refseq	NM_003205
Protein Refseq	NP_003196
UniProt ID	Q99081
Pathway	CDO in myogenesis; Developmental Biology; Id Signaling Pathway; Myogenesis
Function	E-box binding; SMAD binding; bHLH transcription factor binding; enhancer binding; protein binding; protein heterodimerization activity; sequence-specific DNA binding transcription factor activity; transcription factor binding; contributes_to transcription regulatory region DNA binding