



Human TCF3 blocking peptide (CDBP2927)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-TCF3/ITF1 antibody
Antigen Description	This gene encodes a member of the E protein (class I) family of helix-loop-helix transcription factors. E proteins activate transcription by binding to regulatory E-box sequences on target genes as heterodimers or homodimers, and are inhibited by heterodimerization with inhibitor of DNA-binding (class IV) helix-loop-helix proteins. E proteins play a critical role in lymphopoiesis, and the encoded protein is required for B and T lymphocyte development. Deletion of this gene or diminished activity of the encoded protein may play a role in lymphoid malignancies. This gene is also involved in several chromosomal translocations that are associated with lymphoid malignancies including pre-B-cell acute lymphoblastic leukemia (t(1;19), with PBX1), childhood leukemia (t(19;19), with TFPT) and acute leukemia (t(12;19), with ZNF384). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9. [provided by RefSeq, Sep 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	TCF3 transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) [Homo sapiens]
Official Symbol	TCF3
Synonyms	TCF3; transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47); transcription factor E2-alpha; bHLHb21; E2A; E2A immunoglobulin enhancer binding factor E12/E47; E47; immunoglobulin transcription factor 1; ITF1; kappa E2 binding factor; MGC129647; MGC129648; transcription factor E2 alpha; VDIR; VDR interacting repressor; kappa-E2-binding factor; transcription factor ITF-1; helix-loop-helix protein HE47; vitamin D receptor-interacting repressor; class B basic helix-loop-helix protein 21; negative vitamin D response element-binding protein; TCF-3;
Entrez Gene ID	6929
mRNA Refseq	NM_001136139
Protein Refseq	NP_001129611
UniProt ID	P15923
Chromosome Location	19p13.3
Pathway	CDO in myogenesis, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Id Signaling Pathway, organism-specific biosystem; Myogenesis, organism-specific biosystem;
Function	DNA binding; contributes_to DNA binding; DNA binding; E-box binding; contributes_to E-box binding; contributes_to E-box binding; bHLH transcription factor binding; chromatin binding; mitogen-activated protein kinase kinase kinase binding; protein binding;