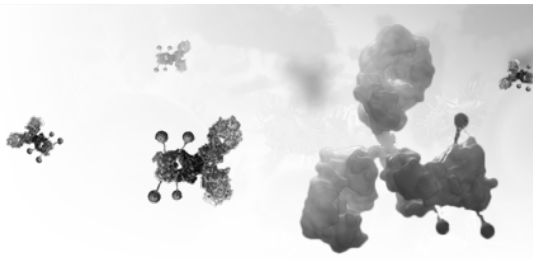

Human TBX21 peptide (DAG-P1181)

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

PRODUCT INFORMATION

Antigen Description	This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human ortholog of mouse Tbx21/Tbet gene. Studies in mouse show that Tbx21 protein is a Th1 cell-specific transcription factor that controls the expression of the hallmark Th1 cytokine, interferon-gamma (IFNG). Expression of the human ortholog also correlates with IFNG expression in Th1 and natural killer cells, suggesting a role for this gene in initiating Th1 lineage development from naive Th precursor cells. [provided by RefSeq, Jul 2008]
Specificity	T-cell specific.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 T-box DNA-binding domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	TBX21 T-box 21 [Homo sapiens (human)]
Official Symbol	TBX21
Synonyms	TBX21; T-box 21; TBET; T-PET; T-bet; TBLYM; T-box transcription factor TBX21; T-box protein

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	21; T-box expressed in T cells; transcription factor TBLYM; T-cell-specific T-box transcription factor T-bet;
Entrez Gene ID	30009
mRNA Refseq	NM_013351.1
Protein Refseq	NP_037483.1
UniProt ID	Q9UL17
Chromosome Location	17q21.32
Pathway	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem; IL12 signaling mediated by STAT4, organism-specific biosystem; IL12-mediated signaling events, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem; Inflammatory bowel disease (IBD), organism-specific biosystem; Inflammatory bowel disease (IBD), conserved biosystem;
Function	sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding;

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