

Cat. No:	AB-84321
Size:	100ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence of human Tbet/Tbx21(NNVTQMIVLQSLHKYQRLHIVEVNDGE).
Reactivity:	Hu, Ms, Rt
Applications:	Western blot: 0.25-0.5ug/ml Flow Cytometry: 1-3ug/1x10 ⁶ cells,
Molecular Weight:	58kDa
Purification:	Aff. Pur.

Background: T-box transcription factor TBX21 is a protein that in humans is encoded by the TBX21 gene. It is mapped to 17q21.32. 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.

Form:	Liquid
Buffer:	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

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