

## Anti-T-bet/Tbx21 Antibody Picoband® PE Conjugated

Catalog Number: PA1999-PE

### About TBX21

TBX21 (T-Box 21), also called TBET, is a protein that in humans is encoded by the TBX21 gene. This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. Zhang and Yang (2000) mapped the mouse Tbx21 gene to chromosome 11D in an area showing homology of synteny with human chromosome 17. Szabo et al. (2000) showed that TBX21 expression correlates with IFNG expression in Th1 and natural killer (NK) cells. Ectopic expression of TBX21 both transactivated the IFNG gene and induced endogenous IFNG production. Finotto et al. (2002) observed reduced expression of the T (H)1 transcription factor Tbet in T cells from airways of patients with asthma compared with that in T cells from airways of nonasthmatic patients, suggesting that loss of Tbet might be associated with asthma.

### Overview

Product Name	Anti-T-bet/Tbx21 Antibody Picoband® PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9UL17

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human T-bet, different from the related rat and mouse sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 23056858, Miao L, Run-Ming J, Yi J. Iran J Pediatr. 2012 Mar;22(1):43-51. T-Bet Mediated Anti-Neoplastic Effects Of Dendritic Cell-Cytokine Induced Killer Cells In Vitro.

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