

T-bet (AB0815) mouse mAb

W0130

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse

Applications

- WB, IF, ELISA

MW

- 58 kDa (calculated)
- 62 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

WB, IF, ELISA

Dilution

WB, 1:500-1:2000 | IF, 1:100-400 | ELISA, Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB0815
Immunogen	A synthetic peptide corresponding to the amino acid region 100-200 of the human T-bet protein.
Specificity	This antibody detects endogenous levels of T-bet protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	TBX21		
Protein Name	T-bet		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q9UL17	30009

Background	T-box 21(TBX21) Homo sapiens 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],
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