

## PE Anti-Mouse/Human t-bet Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M100T13-09B	50 µg
M100T13-09D	200 µg

**Market** | 400-621-0003  
marketing@sungenebiotech.com

**Support** | 022-66211636-8024  
techsupport@sungenebiotech.com

**Web** | www.sungenebiotech.com

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

### Purified Antibody Characterization

Clone	Isotype	Reactivity
4B10	Mouse IgG1	Mouse/Human

### Description

T-bet, also known as T-box transcription factor T-bet, is considered to be a "master regulator" of Th1 lymphoid development controlling the production of the cytokine IFN- $\gamma$ . T-bet is widely expressed in hematopoietic cells including stem cells, NK cells, B cells, and T cells. T-bet is critical for the control of microbial pathogens, and knockout animals show multiple physiologic and inflammatory features characteristic of asthma. T-bet expression is optimally observed after IL-12 stimulation and can be suppressed by addition of the Th2 cytokine IL-4 or neutralization of IL-12.

### Product Information

**Conjugation:** PE

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Concentration:** 0.2 mg/ml

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used  $\leq 0.25\mu\text{g}/10^6$  cells in 100  $\mu\text{l}$ ). Since applications vary, the appropriate dilutions must be determined for individual use.

### References

- [1] Szabo SJ, et al. 2000. Cell 100:655.
- [2] Szabo SJ, et al. 2002. Science 295:338.
- [3] Finotto S, et al. 2002. Science 295:336.
- [4] Mullen AC, et al. 2001. Science 292:1907.

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