

# APC 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
M100T13-11A	25 µg
M100T13-11C	100 µg

**Market** | 400-621-0003  
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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

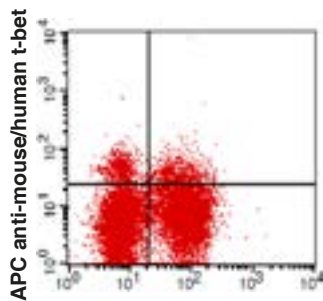
## Purified Antibody Characterization

Clone	Isotype	Reactivity
4B10	Mouse IgG1	Mouse/Human

## Description

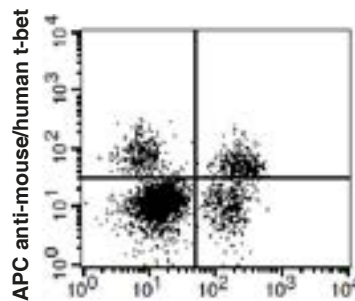
T-bet, also known as T-box transcription factor T-bet, is considered to be a "master regulator" of Th1 lymphoid development controlling the production of the cytokine IFN- $\gamma$ . T-bet is widely expressed in hematopoietic cells including stem cells, NK cells, B cells, and T cells. T-bet is critical 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.

## Illustration of Immunofluorescent Staining



**FITC anti-mouse CD3**

C57BL/6 mouse splenocytes surface stained with FITC anti-mouse CD3 then intracellularly stained with APC anti-mouse/human t-bet



**FITC anti-human CD3**

Human peripheral blood lymphocytes surface stained with FITC anti-human CD3 then intracellularly stained with APC anti-mouse/human t-bet

## Product Information

**Conjugation:** APC

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

**Concentration:** 0.2mg/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  $\leq 0.25$  µg /10<sup>6</sup> cells in 100 µl). 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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