

**LE/AF Purified Anti-Mouse 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
M100T13-14B	50 µg
M100T13-14E	500 µg
M100T13-14F	1 mg

<b>Market</b>	400-621-0003 marketing@sungenebiotech.com
<b>Support</b>	022-66211636-8024 techsupport@sungenebiotech.com
<b>Web</b>	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

**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.

**Reported Applications**

This 4B10 antibody has been reported for use in flow cytometric staining.

**Product Information**

**Production Method:** Stirred tank fermentation

**Medium:** Hybridoma-SFM + 1%FCS + Gln + Gluc + P/S

**Purification Method:** Protein G

**Concentration:** 1 mg/ml

**Endotoxin:** < 2.00 EU/mg (LAL)

**Purity:** >95% (by SDS-PAGE)

**Sterile:** 0.2 µm Filtration

**Formulated:** PBS, pH7.2

**Storage:** Keep as concentrated solution. Store at 4°C as an undiluted liquid. For extended storage aliquot contents and freeze at -20°C or lower. Avoid cycles of freezing and thawing.

**For Research Use Only.**