

## **Mouse monoclonal anti human T-bet** **(Azide-free & Low endotoxin)**

### **ORDERING INFORMATION**

|                        |                                |
|------------------------|--------------------------------|
| <b>Catalog Number:</b> | <b>gAP-0204</b>                |
| <b>Size:</b>           | <b>1.00 mg</b>                 |
| <b>Storage:</b>        | <b>&lt; -20° C</b>             |
| <b>Immunogen:</b>      | <b>Human recombinant T-bet</b> |
| <b>Ig Type:</b>        | <b>Mouse IgG1</b>              |
| <b>Clone</b>           | <b>AP-MAB1604</b>              |
| <b>Endotoxin Level</b> | <b>&lt; 0.002EU/μg IgG*</b>    |
| <b>Applications:</b>   | <b>FC and IF</b>               |

**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-γ. 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.

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **human T-Bet recombinant protein**).

**Formulation:** The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

**Reconstitution:** Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles**. Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

**\*Endotoxin Level:** **Extremely low level of LPS (< 0.002EU/μg IgG)**

### **Application(s):**

- 1. FC**
- 2. IF**

(This clone is cross reactive to mouse and rat CCL2)

**\* The antibody is produced by in vitro culture and for research use only**