

# ABflo® 488 Rabbit anti-Human T-bet/Tbx21 mAb

Catalog No.: A24572

## Basic Information

### Observed MW

### Calculated MW

58kDa

### Category

Primary antibody

### Applications

FC (intra)

### Cross-Reactivity

Human

### CloneNo number

ARC61886-ABflo488

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## Recommended Dilutions

**FC (intra)** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

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.

## Immunogen Information

### Gene ID

30009

### Swiss Prot

Q9UL17

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 322-535 of human T-bet/Tbx21(NP\_037483.1).

### Synonyms

TBX21; T-PET; T-bet; TBET; TBLYM; T-box 21

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

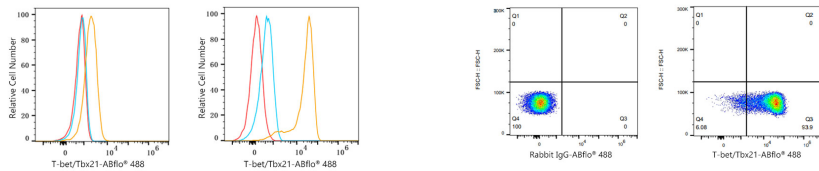
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  HeLa cells (negative control, left) and Human PBMC (right) were intracellularly-stained with ABflo® 488 Rabbit anti-Human T-bet/Tbx21 mAb (A24572, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  Human PBMC were intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, left) or ABflo® 488 Rabbit anti-Human T-bet/Tbx21 mAb (A24572, 5  $\mu$ l/Test, right).