

# ABflo® 647 Rabbit anti-Human T-bet/Tbx21 mAb

Catalog No.: A24573

## Basic Information

### Observed MW

### Calculated MW

58kDa

### Category

Primary antibody

### Applications

FC (intra)

### Cross-Reactivity

Human

### CloneNo number

ARC61886

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## 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 protein (or fragment). This information is considered to be commercially sensitive.

### 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

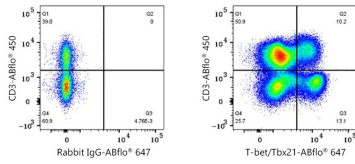
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD3 mAb (A27177, 5  $\mu$ l/Test), and then intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human T-bet/Tbx21 mAb (A24573, 5  $\mu$ l/Test, right). Cells in the lymphocyte gate were used for analysis.