

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

Catalog NO.: A28216

## Basic Information

### Observed MW

### Calculated MW

58 kDa

### Category

Monoclonal Antibodies

### Applications

FC (intra)

### Cross-Reactivity

Mouse

### Conjugation

ABflo® 647. Ex:648nm. Em:664nm.

### Clone number

ARC74215

## Background

Enables DNA binding activity and DNA-binding transcription activator activity, RNA polymerase II-specific. Involved in several processes, including T-helper 1 cell lineage commitment; negative regulation of T-helper 17 cell lineage commitment; and regulation of gene expression. Acts upstream of or within T cell differentiation and positive regulation of isotype switching to IgG isotypes. Located in neuronal cell body and nucleus. Is expressed in several structures, including central nervous system; colon; genitourinary system; sensory organ; and thymus. Used to study asthma. Human ortholog(s) of this gene implicated in asthma, nasal polyps, and aspirin intolerance and immunodeficiency 88. Orthologous to human TBX21 (T-box transcription factor 21).

## Recommended Dilutions

### FC (intra)

≤0.25 µg per million cells in 100 µl volume

## Immunogen Information

### Gene ID

57765

### Swiss Prot

Q9JKD8

### Immunogen

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

### Synonyms

TBT1; Tbet; Tblym

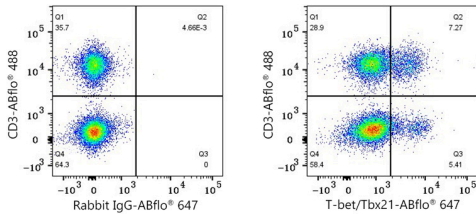
## Contact

## Product Information

|                                     |  |                      |
|-------------------------------------|--|----------------------|
| <input checked="" type="checkbox"/> |  | order@abclonal.com   |
| <input checked="" type="checkbox"/> |  | service@abclonal.com |
| <input checked="" type="checkbox"/> |  | www.abclonal.com     |

| Source                                              | Isotype | Purification          |
|-----------------------------------------------------|---------|-----------------------|
| Rabbit                                              | IgG     | Affinity purification |
| <b>Storage</b>                                      |         |                       |
| Store at 2-8°C. Avoid freeze.                       |         |                       |
| Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3. |         |                       |

## Validation Data



Flow cytometry:1X10^6 C57BL/6 mouse splenocytes were intracellularly-stained with ABflo® 488 Rat anti-Mouse CD3 mAb (A27161,5 µl/Test) and ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,left) or ABflo® 647 Rabbit anti-Mouse T-bet/Tbx21 mAb (A28216,0.25 µg,right).

