

PE Rabbit anti-Mouse T-bet/Tbx21 mAb

Catalog No.: A28217

Basic Information

Observed MW

Calculated MW

58 kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Mouse

CloneNo number

ARC74215

Conjugate

PE. Ex:565nm. Em:574nm.

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) ≤0.5 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; Tblm

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

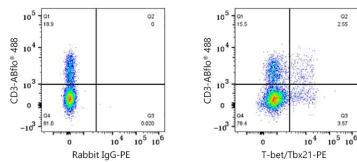
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ C57BL/6 mouse splenocytes were surface-stained with ABflo® 488 Rat anti-Mouse CD3 mAb (A27161, 5 µl/Test), then intracellularly-stained PE Rabbit IgG isotype control (A24172, 5 µl/Test, left) or PE Rabbit anti-Mouse T-bet/Tbx21 mAb (A28217, 0.5 µg, right).