

# APC Rabbit anti-Mouse TNF- $\alpha$ mAb

Catalog No.: A27728

## Basic Information

### Observed MW

### Calculated MW

26kDa

### Category

Primary antibody

### Applications

FC (intra)

### Cross-Reactivity

Mouse

### CloneNo number

ARC54412

### Conjugate

APC. Ex:650nm. Em:660nm.

## Background

This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. Members of this family are classified based on primary sequence, function, and structure. This protein is synthesized as a type-II transmembrane protein and is reported to be cleaved into products that exert distinct biological functions. It plays an important role in the innate immune response as well as regulating homeostasis but is also implicated in diseases of chronic inflammation. In mouse deficiency of this gene is associated with defects in response to bacterial infection, with defects in forming organized follicular dendritic cell networks and germinal centers, and with a lack of primary B cell follicles. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**FC (intra)**  $\leq 0.5 \mu\text{g}$  per million cells  
in 100  $\mu\text{l}$  volume

## Immunogen Information

### Gene ID

21926

### Swiss Prot

P06804

### Immunogen

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

### Synonyms

DIF; Tnfa; TNF-a; TNFSF2; Tnlg1f; Tnfsf1a; TNFalpha; TNF-alpha

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

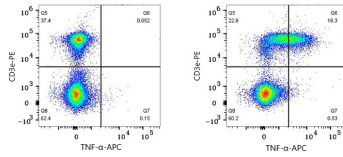
### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data

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Flow cytometry: 1X10<sup>6</sup> C57BL/6 mouse splenocytes (untreated, left) and C57BL/6 mouse splenocytes (treated with PMA + Ionomycin in the presence of monensin, right) were surface-stained with PE anti-Mouse CD3e mAb (A26897, 5ul/test), and then intracellularly-stained with APC Rabbit anti-Mouse TNF-α mAb (A27728, 0.5ug).