

# APC Anti-Mouse IL-17A Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M100I17-11A	25 µg
M100I17-11C	100 µg

<b>Market</b>	400-621-0003 marketing@sungenebiotech.com
<b>Support</b>	022-66211636-8024 techsupport@sungenebiotech.com
<b>Web</b>	www.sungenebiotech.com

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

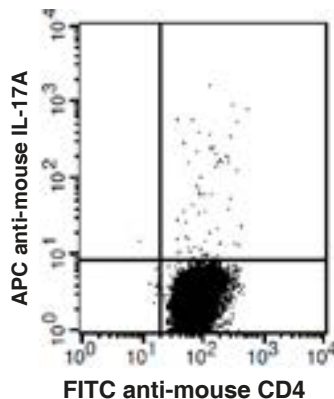
## Purified Antibody Characterization

Clone	Isotype	Reactivity
17F3	Mouse IgG1	Mouse

## Description

IL-17A is a cystine-linked homodimeric pro-inflammatory cytokine produced by TH<sub>17</sub> cells, a distinct CD4<sup>+</sup> T cell lineage. IL-17A stimulates the production of the pro-inflammatory cytokines IL-1β, TNFα, and IL-6. IL-17A also induces production of the neutrophil chemoattractants IL-8, CXCL1, and CXCL6 thereby bridging adaptive and innate immunity. IL-17A is intimately involved in mucosal immunity against bacterial infections and has a putative role in some autoimmune disorders. IL-17A effects appear to be exerted primarily through binding to the IL-17RA. IL-17A binding induces production of cytokines, chemokines and other proteins through activation of the ERK1/2 MAP kinase, PI3K/Akt, p38, and NF-κB pathways. Phosphorylation of some Jaks and Stats has been observed.

## Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes were stimulated with plate-bound anti-mouse CD3 in culture with anti-mouse CD28, TGF-β and IL-6 for 2 days, then followed by a 4-6 hour stimulation with PMA, ionomycin and golgi-plug. Then cells were stained with FITC anti-mouse CD4 and APC anti-mouse IL-17A

## Product Information

**Conjugation:** APC

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Concentration:** 0.2mg/ml

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used ≤ 0.25 µg /10<sup>6</sup> cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

## References

- [1] Prussin C, Metcalfe DD. Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. J Immunol Methods. 1995;188(1):117-128.

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