Store at 4°C

PE 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

Market | 400-621-0003
marketing@sungenebiotech.com
Support | 022-66211636-8024
techsupport@sungenebiotech.com
Web | www.sungenebiotech.com

Catalog Number	Vial Size
M100I17-09B	50 μg
M100I17-09D	200 μg

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

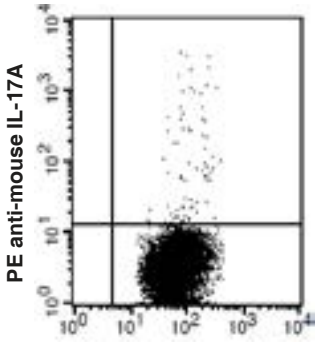
Purified Antibody Characterization

Clone	Isotype	Reactivity
17F3	Mouse IgG1	Mouse

Description

IL-17A is a cystine-linked homodimeric pro-inflammatory cytokine produced by TH_{17} cells,a distinct $CD4^+$ 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 PE anti-mouse IL-17A

Product Information

Conjugation: PE

Formulation: PBS pH 7.2, 0.09% NaN_3, 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 /10^6 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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