

# PE/Cy5 Anti-Mouse CD4 (GK1.5) 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
M10043-35A	25 µg
M10043-35C	100 µg

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

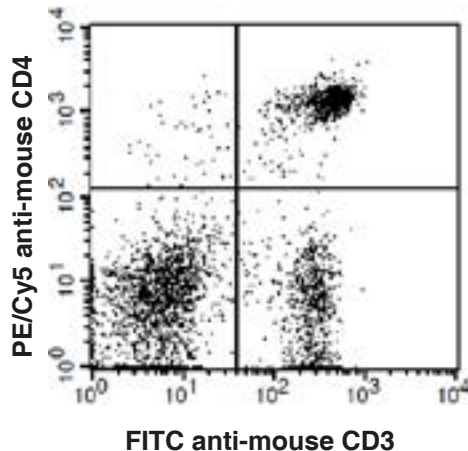
## Purified Antibody Characterization

Clone	Isotype	Reactivity
GK1.5	Rat IgG2b	Mouse

## Description

CD4 is a 55 kD protein also known as L3T4 or T4. It is a member of the Ig superfamily, primarily expressed on most thymocytes, a subset of T cells, and weakly on macrophages and dendritic cells. It acts as a coreceptor with the TCR during T cell activation and thymic differentiation by binding MHC class II and associating with the protein tyrosin kinase, lck.

## Illustration of Immunofluorescent Staining



C57BL/6 mouse splenocytes stained with FITC anti-mouse CD3 and PE/Cy5 anti-mouse CD4

## Product Information

**Conjugation:** PE/Cy5

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

**Concentration:** 0.2 mg/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  $\leq 0.06 \mu\text{g} / 10^6$  cells in 100  $\mu\text{l}$ ). Since applications vary, the appropriate dilutions must be determined for individual use.

## References

- [1] Barclay, A., et al. 1997. The Leukocyte Antigen FactsBook, Academic Press.
- [2] Bierer, B.E., et al. 1989. Annu. Rev. Immunol. 7:579.
- [3] Janeway, C.A. 1992. Annu. Rev. Immunol. 10:645.

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