

## PE Anti-Human CD3 (HIT3a) 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
H20033-09G	25 tests
H20033-09H	100 tests

**Market** | 400-621-0003  
marketing@sungenebiotech.com

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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.

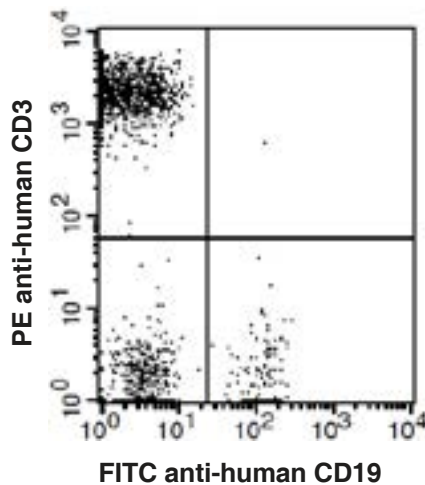
### Purified Antibody Characterization

Clone	Isotype	Reactivity
HIT3a	Mouse IgG2a	Human

### Description

The HIT3a monoclonal antibody reacts with human CD3e, a 20 kDa subunit of the TCR complex. Along with the other CD3 subunits  $\gamma$  and  $\delta$ , the  $\epsilon$  chain is required for proper assembly, trafficking and surface expression of the TCR complex. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells. Crosslinking of TCR with HIT3a initiates an intracellular biochemical pathway resulting in cellular activation and proliferation.

### Illustration of Immunofluorescent Staining



Human peripheral blood lymphocytes stained with FITC anti-human CD19 and PE anti-human CD3

### Product Information

**Conjugation:** PE

**Formulation:** PBS pH 7.2, 0.09%  $\text{NaN}_3$ , 0.2% BSA

**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 from 20  $\mu\text{L}$  to 5  $\mu\text{L}$  per 100  $\mu\text{L}$  of peripheral blood. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

### References

- [1] McMichael, A. J., P.C.L. Beverly, et al. eds. (1987). Leucocyte Typing III: White Cell Differentiation Antigens. Oxford University Press. New York.
- [2] Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.
- [3] Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

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