

PE/Cy5 Anti-Human CD8 (HIT8a) 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
H20081-35G	25 tests
H20081-35H	100 tests

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

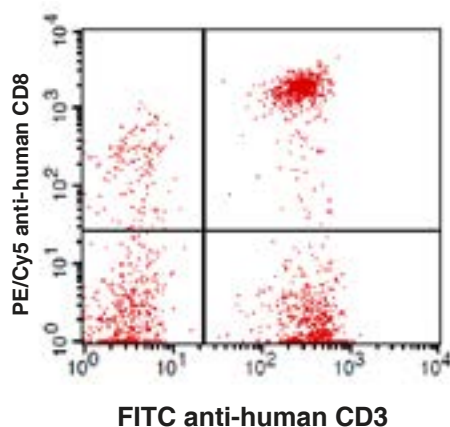
Purified Antibody Characterization

Clone	Isotype	Reactivity
HIT8a	Mouse IgG1	Human

Description

CD8a is a 32-34 kD type I glycoprotein. It forms a homodimer (CD8a/a) or heterodimer (CD8a/b) with CD8b. CD8, also known as T8 and Leu2, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (which express almost exclusively CD8a homodimers). CD8 acts as a co-receptor with MHC class I-restricted T cell receptors in antigen recognition and T cell activation and has been shown to play a role in thymic differentiation. Two domains in CD8a are important for function: the extracellular IgSF domain binds the $\alpha 3$ domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.

Illustration of Immunofluorescent Staining



Human peripheral blood lymphocytes stained with FITC anti-human CD3 and PE/Cy5 anti-human CD8

Product Information

Conjugation: PE/Cy5

Formulation: PBS pH 7.2, 0.09% 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 μL to 5 μL per 100 μL of peripheral blood. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

References

- [1] Schlossman, S., et al. Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.
- [2] Knapp, W. 1989. Leucocyte Typing IV. Oxford University Press, New York.
- [3] Barclay, N., et al. 1997. The Leucocyte Antigen Facts Book. Academic Press Inc. San Diego.

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