

Product Information

Contents: Allophycocyanin-Cy7 (APC-Cy7) anti-human CD8a

Catalog Number: 10-0088

Sizes: 25 tests, 100 tests

Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃, 0.2% BSA, 0.1% gelatin

Storage Conditions: Store at 4°C.

DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: RPA-T8

Isotype: Mouse IgG1, κ

HLDA No.: IV T171

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
10-0088	APC-Cy7 anti-human CD8 (CD8a; alpha chain)	633	760	FC
11-0088	FITC anti-human CD8 (CD8a; alpha chain)	488	518	FC
12-0088	PE anti-human CD8 (CD8a; alpha chain)	488	575	FC
14-0088	Affinity Purified anti-human CD8 (CD8a; alpha chain)	N/A	N/A	FC IH/F
15-0088	PE-Cy5 anti-human CD8 (CD8a; alpha chain)	488	670	FC
17-0088	APC anti-human CD8 (CD8a; alpha chain)	633	660	FC
25-0088	PE-Cy7 anti-human CD8 (CD8a; alpha chain)	488	760	FC

Description

The RPA-T8 monoclonal antibody reacts with the human CD8a molecule, an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 β chain (CD8 αβ) or as a homodimer (CD8 αα). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class I and through its association with protein tyrosine kinase p56lck plays a role in T-cell development and activation of mature T cells.

Usage

For research use only, not for diagnostic or therapeutic use. The RPA-T8 antibody has been reported for use in flow cytometric analysis. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage and all handling steps. When staining cells with this conjugated antibody, always cover the samples with aluminum foil.

Applications Tested

The RPA-T8 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 20 μl per 100 μl blood (or per 1 million cells in 100 μl total staining volume).

Related Products

- Cat. 11-0088 FITC anti-human CD8 (CD8a; alpha chain) (clone RPA-T8)
- Cat. 12-0088 PE anti-human CD8 (CD8a; alpha chain) (clone RPA-T8)
- Cat. 14-0088 Affinity Purified anti-human CD8 (CD8a; alpha chain) (clone RPA-T8)
- Cat. 15-0088 PE-Cy5 anti-human CD8 (CD8a; alpha chain) (clone RPA-T8)
- Cat. 17-0088 APC anti-human CD8 (CD8a; alpha chain) (clone RPA-T8)
- Cat. 25-0088 PE-Cy7 anti-human CD8 (CD8a; alpha chain) (clone RPA-T8)
- Cat. 11-0089 FITC anti-human CD8 (CD8a; alpha chain) (clone HIT8a)
- Cat. 12-0089 PE anti-human CD8 (CD8a; alpha chain) (clone HIT8a)

Cat. 13-0089 Biotin anti-human CD8 (CD8a; alpha chain) (clone HIT8a)
Cat. 14-0089 Affinity Purified anti-human CD8 (CD8a; alpha chain) (clone HIT8a)
Cat. 16-0089 Functional Grade Purified anti-human CD8 (CD8a; alpha chain) (clone HIT8a)
Cat. 10-4714 Allophycocyanin-Cy7 (APC-Cy7) Mouse IgG1, K Isotype Control

References

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.
Schlossman, S., L. Bloumsell, et al. eds. (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.
Kishimoto, T., A.E.G., von dem Borne, et al. eds. (1998). Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing, Inc. London.

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