

PE-Labeled Monoclonal Anti-Human CD7 Antibody, Mouse IgG2a (AS577) (0.03% Proclin)

Catalog # FABm025-01



Source

PE-Labeled Monoclonal Anti-Human CD7 Antibody, Mouse IgG2a (AS577) is a recombinant mouse monoclonal antibody expressed in - cells.

Antibody Type

Recombinant Monoclonal

Clone

AS577

Isotype

Mouse IgG2a, Kappa

Host Species

Mouse

Reactivity

Human

Immunogen

Purified Human CD7 Protein

Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

Specificity

This product is a specific antibody specifically reacts with CD7 protein.

Application

Application	Recommended Use
Flow Cytometry	1:20

** Recommended dilutions are for reference only. Optimal working concentrations may vary depending on your consumables, reagents, and assay conditions. We recommend optimizing for your specific system. No warranty is made regarding performance at any specific dilution.*

Isotype Control

The isotype control is sold separately; please refer to Cat. No. [DNP-PM487](#) for product information.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Liquid

Formulation

Supplied a 0.22 µm-filtered solution in PBS (pH 7.4) containing 0.03% ProClin 300 and 0.2% BSA, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Shipping

Liquid product is shipped at blue ice.

Storage

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- Store at 2-8 °C for 12 months.

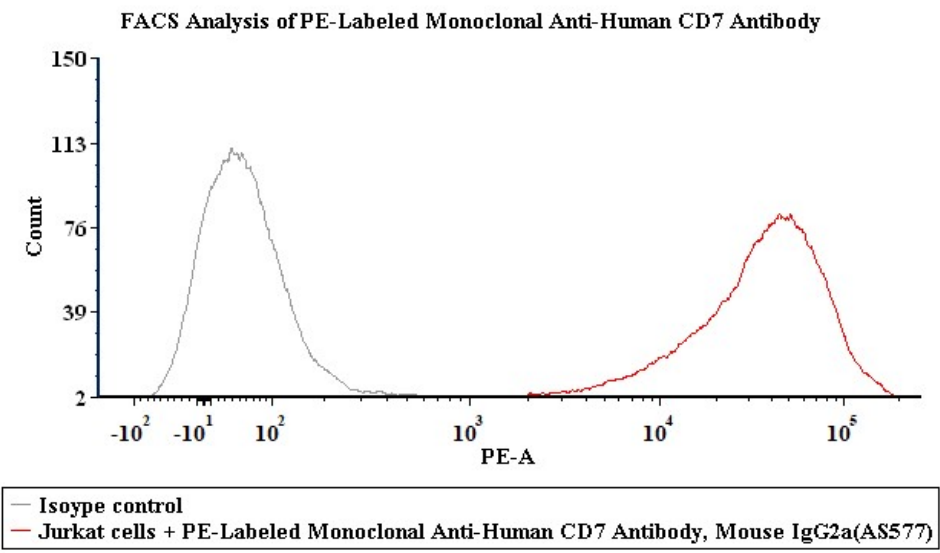
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Activity-Flow Cytometry



Flow cytometric analysis of Jurkat staining with PE-Labeled Monoclonal Anti-Human CD7 Antibody, Mouse IgG2a (AS577) (Cat. No. FABm025-01) at 1:20 dilution (5 µL of the antibody stock solution corresponds to labeling of 1e6 cells in a final volume of 100 µL), compared with isotype control antibody. PE signal was used to evaluate the binding activity (QC tested).

Background

T-cell antigen CD7 (CD7) is also known as GP40, LEU-9, TP41 and Tp40. CD7 is a protein that in humans is encoded by the CD7 gene, this gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. CD7 has been shown to interact with PIK3R1. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development.

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