

Monoclonal Anti-CD123 Antibody, Mouse IgG1 (6H9E8)

Catalog # CD3-MY2036



Source

Chimeric Monoclonal Anti-CD123 Antibody, Mouse IgG1 (6H9E8) is recombinantly expressed in HEK293. It consists of human variable regions genetically fused to mouse IgG1 constant domains.

Antibody Type

Recombinant Monoclonal

Clone

6H9E8

Isotype

Mouse IgG1, Kappa

Host Species

Human

Reactivity

Human

Immunogen

Recombinant Human CD123 Protein is expressed from human 293T cells

Specificity

Specifically recognizes Human CD123 Protein.

Application

Flow Cytometry (Evaluation of the expression of CD123 on Human cells).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4) containing 0.01% PF68, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

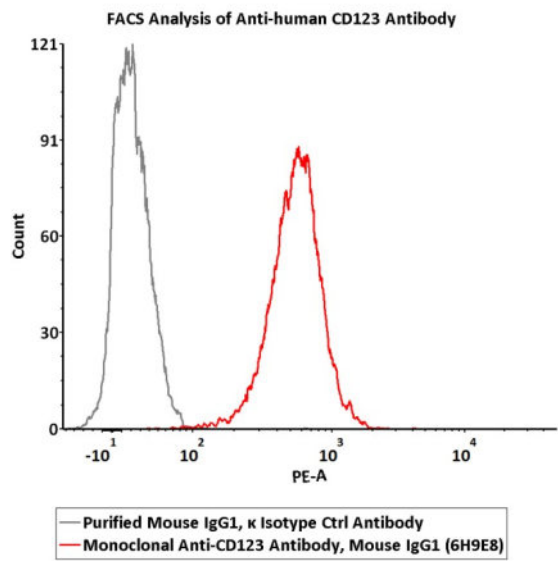
Notices

Product Specific Notices: For research use only.

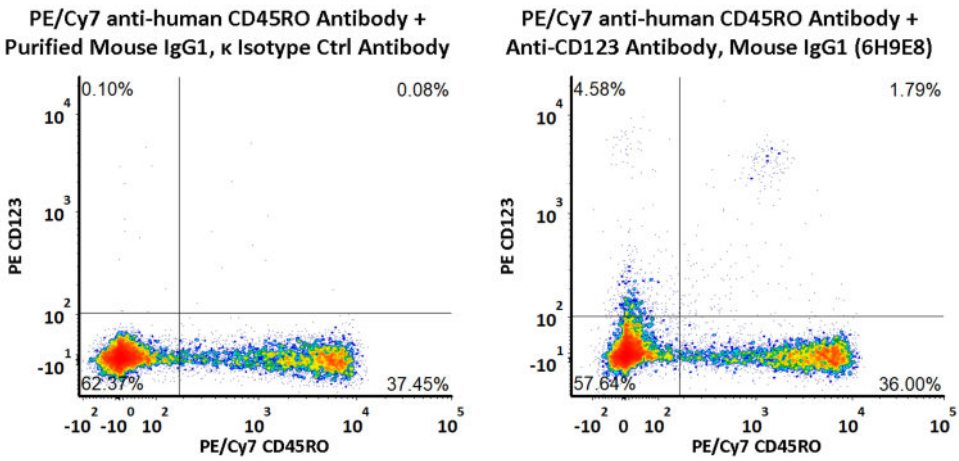
ACRO Quality Management System

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Activity-Flow Cytometry



Flow cytometric analysis of THP-1 cells stained with Monoclonal Anti-CD123 Antibody, Mouse IgG1 (6H9E8), premium grade (Cat. No. CD3-MY2036) at 1 ug/mL (0.1 ug was used to stain 1 × 10⁶ cells in a final volume of 100 μL) and isotype control respectively, washed and then followed by PE anti-mouse IgG1 Antibody. PE fluorescence was used to evaluate the binding activity (QC tested).



Flow cytometric analysis of human peripheral blood lymphocytes stained with PE/Cy7 anti-human CD45RO Antibody and Monoclonal Anti-CD123 Antibody, Mouse IgG1 (6H9E8) (Cat. No. CD3-MY2036) at 1 ug/mL (0.1 ug corresponds to labeling of 5e5 cells in a final volume of 100 μL) or isotype control antibody respectively, washed and then followed by PE anti-mouse IgG1 Antibody. Both PE and PE/Cy7 positive signals was used to evaluate the binding activity (QC tested).

Background

Interleukin 3 receptor alpha (low affinity) (IL3RA), also known as CD123 (Cluster of Differentiation 123) is a 70-kD glycoprotein member of the hematopoietin receptor superfamily. This protein associates with a beta subunit common to the receptors for IL-5 and granulocyte-macrophage colony-stimulating factor (GM-CSF) to form a high-affinity receptor for IL-3. The interleukin-3 receptor α chain (CD123) has been identified as a potential immunotherapeutic target because it is overexpressed in AML compared with normal hematopoietic stem cells.

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