

Rabbit CD123 Monoclonal Antibody | anti-CD123 antibody

Anti-CD123 antibody (DM31), Rabbit mAb

CATALOG # AAA314245	HOST Rabbit	REACTIVITY Interleukin 3 receptor alpha	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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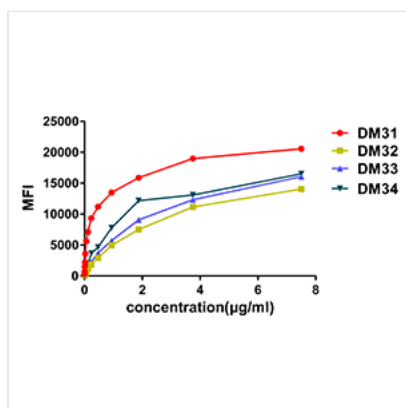
PRODUCT SYNONYMS

CD123; Monoclonal Antibody; Anti-CD123 antibody (DM31); Rabbit mAb; IL3R; IL3RA; IL-3Ra; IL-3R-alpha; IL3RAY; IL3RX; IL3RY; CD123 antigen; hIL3Ra; hIL-3Ra; MGC34174; IL-3 R alpha; anti-CD123 antibody

PRODUCT SPECIFICATIONS

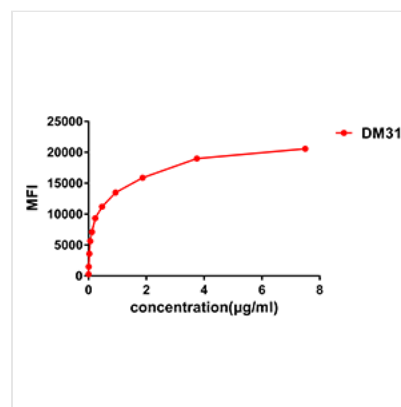
Host	Rabbit
Reactivity	Interleukin 3 receptor alpha
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	DM31
Purity/Purification	Purified from cell culture supernatant by affinity chromatography
Form/Format	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS, pH 7.4; 0.1% BSA
Applicable Applications for anti-CD123 antibody	FCM/FACS (Flow Cytometry), ELISA
Immunogen	Recombinant human CD123 (Thr19-Arg305)(PME100003) produced by using human HEK293 cells
Preparation and Storage	Store at -20 degree C for 12 months (Avoid repeated freezing and thawing)

IMAGES



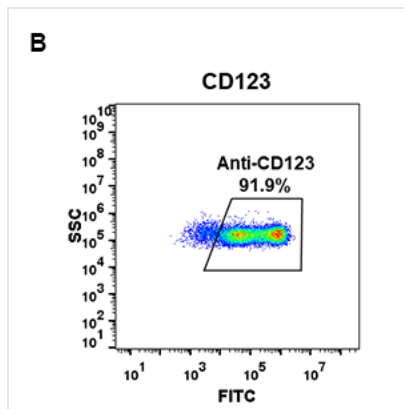
Application Data

Figure 3. Affinity ranking of different Rabbit anti-CD123 mAb clones by titration of different concentration onto THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

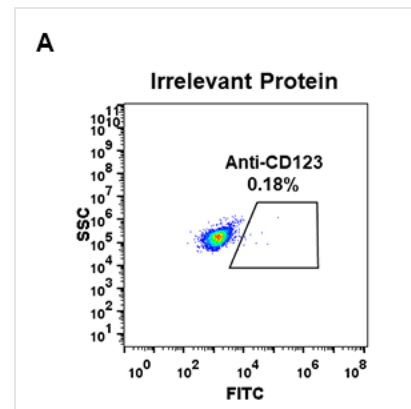


FCM/FACS (Flow Cytometry)

Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD123 monoclonal antibody (clone: DM31) on THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



Application Data



Application Data

Figure 1. Expi 293 cell line transfected with irrelevant protein (left) and human CD123(right) were surface stained with Rabbit anti-CD123 monoclonal antibody 1μg/ml (clone: DM31) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD123 antibody	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 alpha chain (CD123) has been identified as a potential immunotherapeutic target because it is overexpressed in AML compared with normal hematopoietic stem cells.
Product Categories/Family for anti-CD123 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

Molecular Weight	Calculated MW: 39kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd123-antibody-clone-dm31-flow-cytometry-elisa/314245>