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12-9022: Anti-CD123 antibody(DM31), Rabbit mAb

Clonality: Monoclonal
Clone Name: DM31
Application: ELISA,FACS
Reactivity: Human

Alternative Name: IL3R, IL3RA, IL-3Ra, IL-3Ra, IL3RAY, IL3RX, IL3RY, CD123 antigen, CD123, hIL3Ra,

hIL-3Ra, MGC34174, IL-3 R alpha

Isotype: Rabbit IgG

Immunogen Information: Recombinant human CD123(Thr19-Arg305) produced by using human HEK293 cells

Description

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 Info

Amount: 100 µg

Purification : Purified from cell culture supernatant by affinity chromatography

Preservative: 0.1% Procline 300

Content: Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA

Not Sterile

Storage condition: Store at -20°C for 12 months (Avoid repeated freezing and thawing)

Application Note

Recommended Dilutions ELISA 1/5000-10000; FACS 1/100

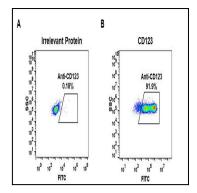


Figure 1. Expi 293 cell line transfected with irrelevant protein (left) and human CD123(right) were surface stained with Rabbit anti-CD123 monoclonal antibody 1µg/ml (clone: DM31) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.



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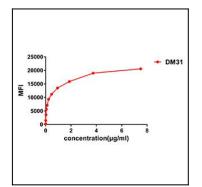


Figure 2. FACS data of serially titrated Rabbit anti-CD123 monoclonal antibody (clone: DM31) on THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

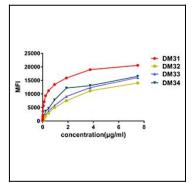


Figure 3. Affinity ranking of different Rabbit anti-CD123 mAb clones by titration of different concentration onto THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.