

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DM31
<b>Application :</b>	ELISA,FACS
<b>Reactivity :</b>	Human
<b>Alternative Name :</b>	IL3R, IL3RA, IL-3Ra, IL-3R-alpha, IL3RAY, IL3RX, IL3RY, CD123 antigen, CD123, hIL3Ra, hIL-3Ra, MGC34174, IL-3 R alpha
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Preservative: 0.1% Proline 300 Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA Not Sterile
<b>Storage condition :</b>	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

### Application Note

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

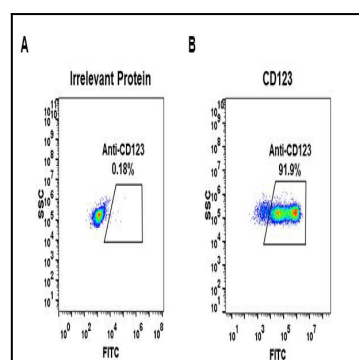


Figure 1. Expi 293 cell line transfected with irrelevant protein (left) and human CD123(right) were surface stained with Rabbit anti-CD123 monoclonal antibody 1µg/ml (clone: DM31) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

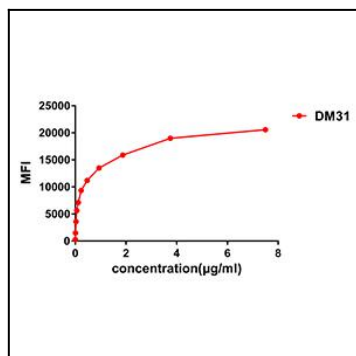


Figure 2. FACS data of serially titrated Rabbit anti-CD123 monoclonal antibody (clone: DM31) on THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

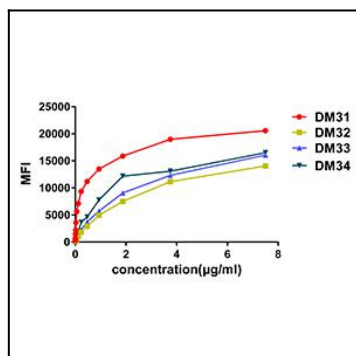


Figure 3. Affinity ranking of different Rabbit anti-CD123 mAb clones by titration of different concentration onto THP-1 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.