

Mouse anti-Human CD123 Monoclonal Antibody | anti-CD123 antibody

Anti-Hu CD123 PE-Cyanine5

CATALOG # AAA128381	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
-------------------------------	----------------------	----------------------------	---

PRODUCT SYNONYMS

CD123; Monoclonal Antibody; Anti-Hu CD123 PE-Cyanine5; interleukin 3 receptor subunit alpha; IL3RA; interleukin 3 receptor alpha; MGC34174; hIL-3Ra; anti-CD123 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6H6
Specificity	The mouse monoclonal antibody 6H6 recognizes an extracellular epitope of CD123 (interleukin 3 receptor alpha), a 60-70 kDa transmembrane protein expressed by myeloid precursors, megakaryocytes, macrophages, dendritic cells, mast cells, basophils, and some B cells. This antibody does not inhibit IL-3 binding to its receptor.
Purity/Purification	The purified antibody is conjugated with tandem dye PE-Cyanine5 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	378
Applicable Applications for anti-CD123 antibody	FCM/FACS (Flow Cytometry)
Immunogen	IL3 receptor alpha chain expressed on the surface of transiently transfected COS cells
Conjugation	PE-Cyanine5
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD123 antibody	CD123 is the alpha chain of interleukin 3 receptor (IL-3R alpha). This subunit heterodimerizes with the interleukin 3 receptor beta chain (CD131), which is shared with other receptors. CD123 interacts with IL-3 specifically, but with low affinity, and association with the beta subunit confers high affinity binding to the receptor heterodimer. Both chains are required for signaling, but receptor activation and signal transduction depend on IL-3 binding to CD123 as the initial step.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	417184
NCBI GeneID	3563
UniProt Accession #	P26951
NCBI Official Full Name	Interleukin-3 receptor subunit alpha

NCBI Official Synonym Full Names	interleukin 3 receptor subunit alpha
NCBI Official Symbol	IL3RA
NCBI Official Synonym Symbols	IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra
NCBI Protein Information	interleukin-3 receptor subunit alpha
UniProt Protein Name	Interleukin-3 receptor subunit alpha
UniProt Gene Name	IL3RA
UniProt Synonym Gene Names	IL3R; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA
UniProt Entry Name	IL3RA_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd123-antibody-clone-6h6-flow-cytometry-elisa/128381>