

Anti-Hu CD123 Purified IL3RA Monoclonal Antibody

Catalog Number: M04307

About IL3RA

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.

Overview

Product Name	Anti-Hu CD123 Purified IL3RA Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD123 Purified IL3RA Monoclonal Antibody (Catalog# M04307). Tested in Flow Cytometry, IP, WB, IHC-F application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, IHC-F, WB
Clonality	Monoclonal 6H6
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P26951

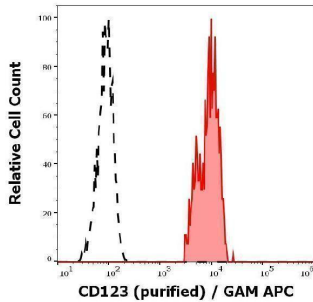
Technical Details

Immunogen	IL3 receptor alpha chain expressed on the surface of transiently transfected COS cells. 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.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

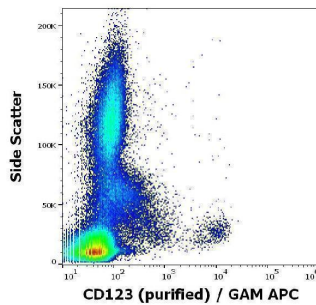
Suggested Dilutions

Flow cytometry: 1-4 ug/ml.

Anti-Hu CD123 Purified IL3RA Monoclonal Antibody (M04307) Images



Separation of CD123 positive basophil granulocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD123 (6H6) purified antibody (concentration in sample 0,11 µg/ml, GAM APC).



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD123 (6H6) purified antibody (concentration in sample 0,11 µg/ml, GAM APC).

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