

Product datasheet for **SM1190BT**

IL3RA Mouse Monoclonal Antibody [Clone ID: 6H6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6H6
Applications:	FC
Recommended Dilution:	Indirect immunofluorescence analysis by Flow cytometry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	IL3 receptor alpha chain expressed on the surface of transiently transfected COS cells
Specificity:	This antibody recognizes 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.
Formulation:	Phosphate buffered saline (PBS) Label: Biotin State: Liquid purified Ig fraction Preservative: 15 mM sodium azide, approx. pH 7.4 Label: Conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 3 receptor subunit alpha
Database Link:	Entrez Gene 3563 Human P26951



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Background:

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.

Synonyms:

Interleukin-3 receptor subunit alpha, IL-3R-alpha, IL3 receptor alpha