

Product datasheet for **TA355262**

IL3RA Mouse Monoclonal Antibody [Clone ID: BR4MS]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BR4MS
Applications:	IHC
Recommended Dilution:	1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to 101 amino acids of the external domain of the human CD123 molecule.
Specificity:	Human CD123
Formulation:	Liquid tissue culture supernatant containing 15 mM sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	interleukin 3 receptor subunit alpha
Database Link:	Entrez Gene 3563 Human P26951

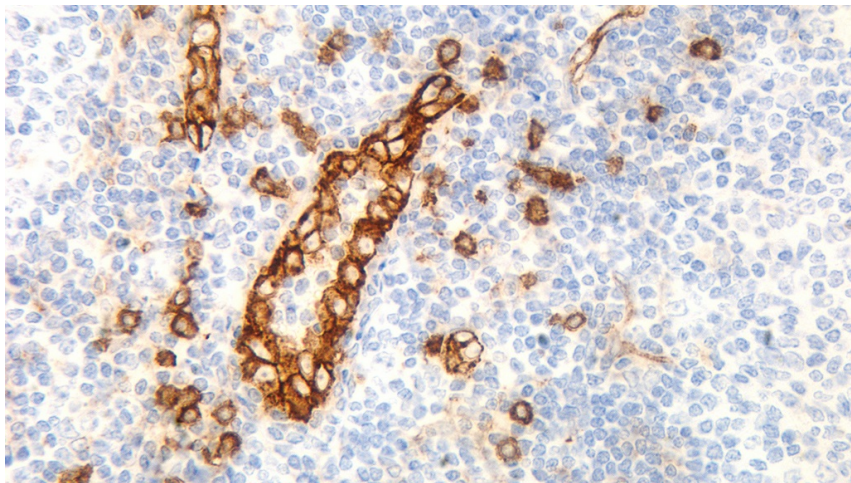
Background: The CD123 antigen is also known as the alpha subunit of the human interleukin-3 receptor. It is a type I transmembrane glycoprotein and is a member of the cytokine receptor superfamily. CD123 forms a heterodimer with CD131 (the beta subunit of the interleukin-3 receptor) to form the interleukin-3 receptor, where the cytokine specificity is provided by the alpha subunit and the signal transduction function is provided by the beta subunit. The interleukin-3 receptor is reported to be expressed on monocytes, neutrophils, basophils, eosinophils, megakaryocytes, erythroid precursors, mast cells, macrophages and a subpopulation of B cells, where it mediates proliferation and differentiation of these cells. Outside the hematopoietic system CD123 is reported to be expressed in Leydig cells of the testis, some endothelial cells, and cells of the placenta and brain.



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Synonyms: CD123; hIL-3Ra; IL-3R-alpha; IL3R; IL3RAY; IL3RX; IL3RY; MGC34174

Product images:



Human high walled venule endothelium and plasmacytoid dendritic cells:
immunohistochemical staining for CD123: clone BR4MS