

Mouse anti-CD123, clone BR4MS (monoclonal)

Clone no. BR4MS

MONXtra

Product name	Mouse anti-CD123, clone BR4MS (monoclonal)
Host	Mouse
Applications	IHC-P (1:100)
Species reactivity	human
Conjugate	-
Immunogen	Prokaryotic recombinant protein corresponding to 101 amino acids of the external domain of the human CD123 molecule.
Isotype	IgG2b
Clonality	Monoclonal
Clone number	BR4MS
Size	1 ml
Concentration	Greater than or equal to 90 mg/L
Format	-
Storage buffer	Tissue culture supernatant with 15mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

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.

References

1. Garnache-Ottou F et al. British Journal of Haematology. 2007; 136:539–548
2. Moretti S et al. J.of Biol.Regulators and Homeostatic Agents. 2001; 15:98–100
3. -
4. -
5. -

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