

CD123 Monoclonal Antibody (6H6), eFluor™ 450, eBioscience™

Product Details

Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	6H6
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1548710

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	13 Publications

Product Specific Information

Description: The 6H6 monoclonal antibody reacts with human CD123, the alpha chain of the IL-3 receptor. This 60-70 kDa transmembrane protein binds to IL-3 with low affinity by itself, and when associated with CD131 (common beta chain) binds IL-3 with high affinity. CD123 is expressed by myeloid precursors, macrophages, dendritic cells, mast cells, basophils, and megakaryocytes.

Applications Reported: This 6H6 antibody has been reported for use in flow cytometric analysis.

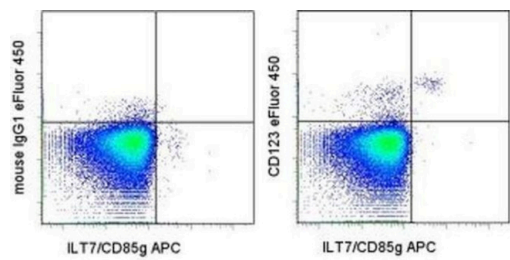
Applications Tested: This 6H6 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 405 nm; **Emission:** 445 nm; **Laser:** Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD123 Monoclonal Antibody (6H6), eFluor™ 450, eBioscience™



CD123 Antibody (48-1239-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD85g (ILT7) PE (Product # 12-5179-42) and Mouse IgG1 kappa Isotype Control eFluor® 450 (Product # 48-4714-82) (left) or Anti-Human CD123 eFluor® 450 (right). Cells in the lymphocyte gate were used for analysis.

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17 References

Immunohistochemistry (Paraffin) (2)

<p>The Journal of investigative dermatology</p> <p>Local activation of the innate immune system in Buruli ulcer lesions.</p> <p>Authors: Peduzzi E,Groeper C,Schütte D,Zajac P,Rondini S,Mensah-Quainoo E,Spagnoli GC,Pluschke G, Daubenberger CA</p>	<p>Year 2007</p>
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<p>Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc</p> <p>Expression of the plasmacytoid dendritic cell marker BDCA-2 supports a spectrum of maturation among CD4+ CD56+ hematodermic neoplasms.</p> <p>Authors: Jaye DL,Geigerman CM,Herling M,Eastburn K,Waller EK,Jones D</p>	<p>Year 2006</p>
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Immunohistochemistry (Frozen) (2)

<p>Journal of clinical pathology</p> <p>CD56-positive haematological neoplasms of the skin: a multicentre study of the Cutaneous Lymphoma Project Group of the European Organisation for Research and Treatment of Cancer.</p> <p>"Published figure using CD123 monoclonal antibody (Product # 48-1239-42) in Immunohistochemistry"</p> <p>Authors: Assaf C,Gellrich S,Whittaker S,Robson A,Cerroni L,Massone C,Kerl H,Rose C,Chott A,Chimenti S,Hallermann C,Petrella T,Wechsler J,Bagot M,Hummel M,Bullani-Kerl K,Bekkenk MW,Kempf W,Meijer CJ,Willems R,Sterry W</p>	<p>Year 2007</p>
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<p>Nature immunology</p> <p>Epithelial cells trigger frontline immunoglobulin class switching through a pathway regulated by the inhibitor SLPI.</p> <p>Authors: Xu W,He B,Chiu A,Chadburn A,Shan M,Buldys M,Ding A,Knowles DM,Santini PA,Cerutti A</p>	<p>Year 2007</p>
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Flow (13)

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