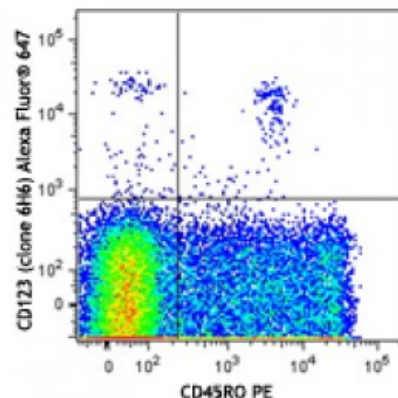


Alexa Fluor® 647 anti-human CD123

Catalog # / Size:	2130115 / 25 tests 2130120 / 100 tests
Clone:	6H6
Isotype:	Mouse IgG1, κ
Immunogen:	Human IL-3R α transfected COS cells.
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD45RO PE and CD123 (clone 6H6) Alexa Fluor® 647 (top) or mouse IgG1 Alexa Fluor® 647 isotype control (bottom).

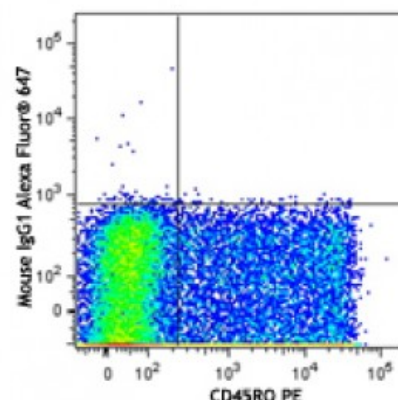
Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

Application Notes:	Clone 6H6 does not inhibit IL-3 binding to low- or high-affinity IL-3Rs. Additional reported applications (for the relevant formats) include: Western blotting ¹ , immunoprecipitation ¹ , and immunohistochemical staining of acetone-fixed frozen sections ² .
---------------------------	---

Application References:	1. Sun Q, <i>et al.</i> 1996. <i>Blood</i> 87:83. (IP, WB) 2. Herling M, <i>et al.</i> 2003. <i>Blood</i> 101:5007. (IHC) 3. Charles N, <i>et al.</i> 2010. <i>Nat. Med.</i> 16:701. (FC) PubMed 4. Martin-Gayo E, <i>et al.</i> 2010. <i>Blood</i> 115:5366. PubMed
--------------------------------	---



Description: CD123 is the 70 kD transmembrane α chain of the IL-3 receptor. Alone, CD123 binds IL-3 with low affinity; when CD123 associates with CDw131 (common β

chain), it binds IL-3 with high affinity. CD123 does not transduce intracellular signals upon binding IL-3 and requires the β chain for this function. CD123 is expressed by myeloid precursors, macrophages, dendritic cells, mast cells, basophils, megakaryocytes, and some B cells.

**Antigen
References:**

1. Miyajima A, *et al.* 1993. *Blood* 82:1960.