

anti-human CD123 purified**Cat-No.: H12465** **0.1 mg****Clone:** 6H6

Specificity: Human IL-3Ra 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. The IL-3 receptor belongs to the Ig superfamily, type 1 transmembrane glycoprotein and associates with Cdw131. It is distributed to myeloid precursors, basophils, mast cells, macrophages, dendritic cells, megakaryocytes and subset of lymphocytes and is functional for haematopoietic cell proliferation and differentiation.

Isotype subclass: Mouse IgG1,k**Form:** The antibody was purified by affinity chromatography.**Purity:** > 95% (by SDS-PAGE)**Physical state:** Liquid**Buffer/Additives/Preservative:**

PBS containing 0.09% sodium azide, pH 7.4

Expiration date: The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.**References:** Miyajima,A., et al., 1993. Blood 82:1960**Application:** FC, IP¹, WB¹, IHC(frozen)²

Application notes: additional reported applications (for the relevant formats) include: Western blotting¹, immunoprecipitation¹, and immunohistochemical staining² of acetone-fixed frozen sections. 6H6 antibody does not inhibit IL-3 binding to low- or high-affinity IL-3Rs.

Application references: 1. Sun, Q. et al., 1996. Blood 87:83 , 2. Herling, M., et al., 2003. Blood 101:5007

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analyses. For immunofluorescent staining, the suggested use of this reagent is < 1.0 μ g per million cells in 100 μ l volume or 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only.

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