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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Purified Mouse anti-CD123 Monoclonal Antibody

CLX481AP

Lot:

Size: 0.1 mg

Clone: 6H6

Isotype: Mouse IgG1

Specificity: The mouse monoclonal antibody 6H6 recognizes CD123 (interleukin 3 receptor alpha), a 60-70 kDa transmembrane protein expressed by myeloid precursors, megakaryocytes, macrophages, dendritic cells, mast cells, basophils, and some B cells. This antibody does not inhibit IL-3 binding to its receptor.

Immunogen: IL3 receptor alpha chain expressed on the surface of transiently transfected COS cells

Species Reactivity: Human

Application: Flow Cytometry
Immunoprecipitation
Western Blotting
Immunohistochemistry (frozen sections)

Purity: > 95% (by SDS-PAGE)

Purification: Purified from cell culture supernatant by protein-A affinity chromatography.

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4.

Storage / Stability: Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Background: CD123 is the alpha chain of interleukin 3 receptor (IL-3R alpha). This subunit heterodimerizes with the interleukin 3 receptor beta chain (CD131), which is shared with other receptors. CD123 interacts with IL-3 specifically, but with low affinity, and association with the beta subunit confers high affinity binding to the receptor heterodimer. Both chains are required for signaling, but receptor activation and signal transduction depend on IL-3 binding to CD123 as the initial step.

Continued...

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Laboratory Reagent For Research Use Only

JV 07/29/13