
CD123 (Clone ZM80)

Mouse Monoclonal Antibody

Specificity: Human. Others unknown

Immunogen: Recombinant human IL3RA protein fragment (around aa 26-171)

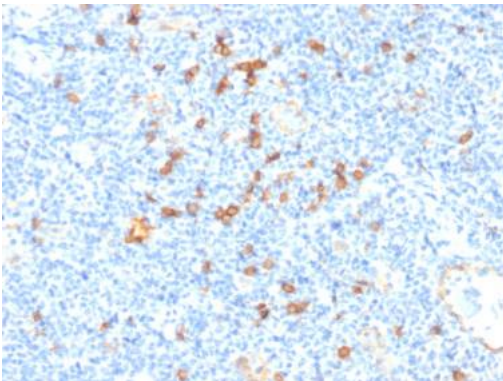
Ig Class: IgG2b/ κ

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* Lymph node or thymus. *Cellular Localization:* Cytoplasmic. *Intended Use:* In Vitro Diagnosis (IVD).

Description: CD123 is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudo-autosomal region on chromosomes X or Y.

Supplied As: Purified antibody in 0.2% BSA and 15mM sodium azide.



References:

1. Facchetti F, et al. WHO classification of tumours of haematopoietic and lymphoid tissues. 4th ed. Lyon, France: IARC Press; 2008:145-7.
2. Cronin DMP, et al. *Am J Clin Pathol.* 2012; 137:367-76.

Formalin-fixed, paraffin-embedded human tonsil stained with anti-CD123 antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of plasmacytoid dendritic cells

Cat. #Z2390 (1.0 ml)

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