

CD123 Antibody

Mouse Monoclonal Antibody (Mab)

Catalog # AD80236

Product Information

Application	IHC
Primary Accession	P26951
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	533A2D3
Calculated MW	43330

Additional Information

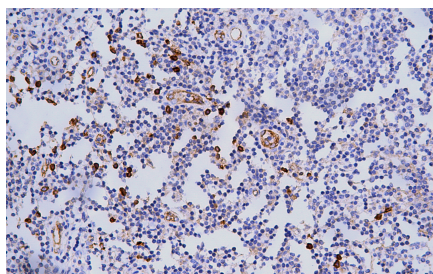
Gene ID	3563
Gene Name	IL3RA
Other Names	Interleukin-3 receptor subunit alpha, IL-3 receptor subunit alpha, IL-3R subunit alpha, IL-3R-alpha, IL-3RA, CD123, IL3RA, IL3R
Dilution	IHC~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	CD123 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IL3RA (HGNC:6012)
Synonyms	IL3R
Function	Cell surface receptor for IL3 expressed on hematopoietic progenitor cells, monocytes and B-lymphocytes that controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells (PubMed: 10527461). Ligand stimulation rapidly induces heterodimerization with IL3RB, phosphorylation and enzyme activity of effector proteins such as JAK2 and PI3K that play a role in signaling cell proliferation and differentiation. Activation of JAK2 leads to STAT5-mediated transcriptional program (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Images

Immunohistochemical analysis of paraffin-embedded



human tonsil tissue using AD80236 performed on the Abcarta® FAIP-48 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH 6.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems (Abcepta: ADR005) was used as the secondary antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.