

**Goat Anti-IL3RA / CD123 Antibody (internal region)**  
**Purified Goat Polyclonal Antibody**  
**Catalog # AF4223a****Specification**

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**Goat Anti-IL3RA / CD123 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P26951</a>
Other Accession	<a href="#">NP_002174.1</a> , <a href="#">NP_001254642.1</a>
Reactivity	Human
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	43330

**Goat Anti-IL3RA / CD123 Antibody (internal region) - Additional Information****Gene ID** 3563**Other Names**

IL3RA; interleukin 3 receptor, alpha (low affinity); CD123; IL3R; IL3RAY; IL3RX; IL3RY; hIL-3Ra; CD123 antigen; IL-3 receptor alpha SP2 isoform; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA; interleukin-3 receptor subunit alpha

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

Peptide with sequence RQQYECLHYKTD, from the internal region of the protein sequence according to [NP\\_002174.1](#); [NP\\_001254642.1](#).

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-IL3RA / CD123 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-IL3RA / CD123 Antibody (internal region) - 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:<a href="http://www.uniprot.org/citations/10527461" target="\_blank">10527461</a>). 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).

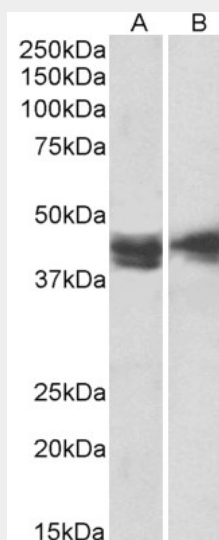
**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Goat Anti-IL3RA / CD123 Antibody (internal region) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-IL3RA / CD123 Antibody (internal region) - Images**

AF4223a (2 µg/ml) staining of Jurkat (A) and Molt4 (B) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-IL3RA / CD123 Antibody (internal region) - References**

Identification of CD123+ myeloid dendritic cells as an early-stage immature subset with strong tumoristatic potential. Shi J, Ikeda K, Maeda Y, Shinagawa K, Ohtsuka A, Yamamura H, Tanimoto M. Cancer letters 2008 Oct 270 (1): 19-29.