

**IL3RA / CD123 Antibody (aa200-305, clone 10B8E7)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS15994****Specification**

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**IL3RA / CD123 Antibody (aa200-305, clone 10B8E7) - Product Information**

Application	IHC, WB, IF
Primary Accession	<a href="#">P26951</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	43kDa KDa

**IL3RA / CD123 Antibody (aa200-305, clone 10B8E7) - Additional Information****Gene ID** 3563**Other Names**

Interleukin-3 receptor subunit alpha, IL-3 receptor subunit alpha, IL-3R subunit alpha, IL-3R-alpha, IL-3RA, CD123, IL3RA, IL3R

**Target/Specificity**

Human IL3RA / CD123

**Format**

Ascitic fluid containing 0.03% sodium azide

**Reconstitution & Storage**

Long term: -20°C; Short term: -20°C

**Precautions**

IL3RA / CD123 Antibody (aa200-305, clone 10B8E7) is for research use only and not for use in diagnostic or therapeutic procedures.

**IL3RA / CD123 Antibody (aa200-305, clone 10B8E7) - 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:&lt;a href="http://www.uniprot.org/citations/10527461" target="\_blank"&gt;10527461&lt;/a&gt;). 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.

### Volume

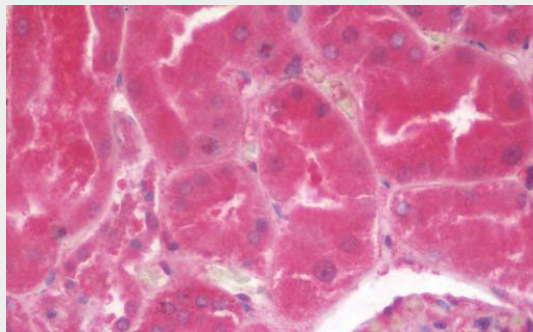
Array

### IL3RA / CD123 Antibody (aa200-305, clone 10B8E7) - Protocols

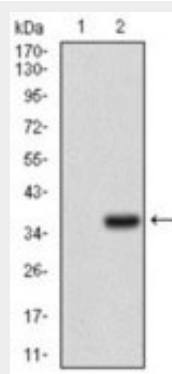
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

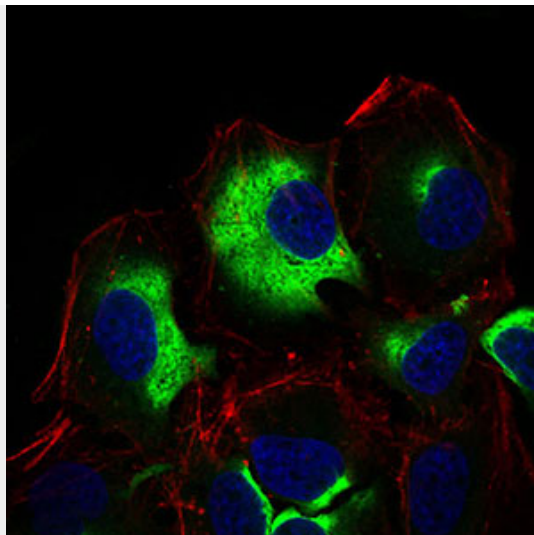
### IL3RA / CD123 Antibody (aa200-305, clone 10B8E7) - Images



Anti-IL3RA / CD123 antibody IHC staining of human kidney.



Western blot using IL3RA monoclonal antibody against HEK293 (1) and IL3RA (AA: 200-305)-hlgGFc...



Immunofluorescence of HeLa cells using IL3RA mouse monoclonal antibody (green).

#### **IL3RA / CD123 Antibody (aa200-305, clone 10B8E7) - Background**

This is a receptor for interleukin-3.

#### **IL3RA / CD123 Antibody (aa200-305, clone 10B8E7) - References**

- Kitamura T.,et al.Cell 66:1165-1174(1991).
- Kosugi H.,et al.Biochem. Biophys. Res. Commun. 208:360-367(1995).
- Chen J.,et al.J. Biol. Chem. 284:5763-5773(2009).
- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Ross M.T.,et al.Nature 434:325-337(2005).