

**Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE)  
Recombinant Antibody  
Catalog # APR10128****Specification**

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**Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P26951</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

**Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE) - Additional Information****Target/Specificity**  
IL-3Ra / CD123**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.**Conjugation**  
MMAE**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE) - 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

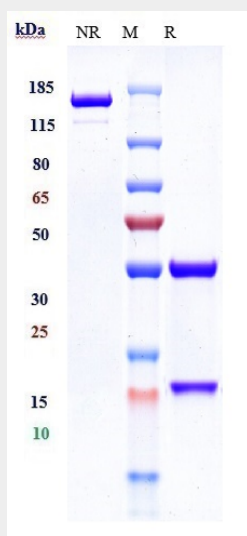
Membrane; Single-pass type I membrane protein.

### Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE) - Protocols

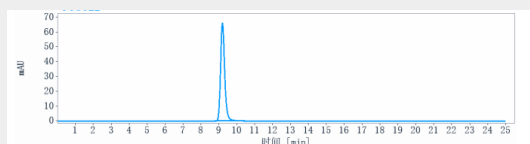
Provided below are standard protocols that you may find useful for product applications.

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

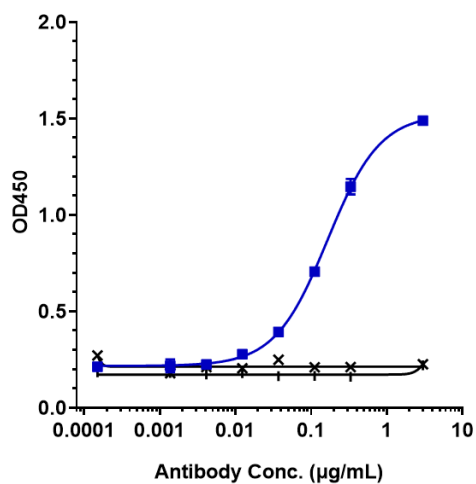
### Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE) - Images



Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE) is more than 95%, determined by SEC-HPLC.



Immobilized human IL 3RA FC at 2 µg/mL can bind Anti-IL-3Ra / CD123 Reference Antibody (talacotuzumab-MMAE)  $\square$ EC50=0.1647 µg/mL