

For Research Use Only

IL3RA/CD123 Recombinant antibody, PBS Only

Catalog Number: 83243-1-PBS



Basic Information

Catalog Number: 83243-1-PBS	GenBank Accession Number: BC035407	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 3563	CloneNo.: 240042C10
Source: Rabbit	ENSEMBL Gene ID: ENSG00000185291	
Isotype: IgG	UNIPROT ID: P26951	
Immunogen Catalog Number: AG4452	Full Name: interleukin 3 receptor, alpha (low affinity)	
	Calculated MW: 378 aa, 43 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
human

Background Information

Interleukin-3 receptor subunit alpha (IL3RA), also known as CD123, belongs to the cytokine receptor family. It is a glycoprotein containing an extracellular domain, involving a predicted Ig-like domain, two FnIII domains, a transmembrane domain and an intracellular domain (PMID: 24513123). IL3RA is expressed on hematopoietic progenitor cells, plasmacytoid dendritic cells, basophils, monocytes, some B cells, and in a variety of hematologic malignancies (PMID: 10527461; 34855461). IL-3 initially binds to IL3RA and subsequently recruits the beta chain (CD131) to form the high-affinity receptor, resulting in the activation of a series of signaling pathways including the JAK/STAT, Ras-MAPK, and phosphatidylinositol 3-kinase pathways (PMID: 29296749). IL-3R signaling regulates the proliferation, survival, and differentiation of hematopoietic cells.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

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