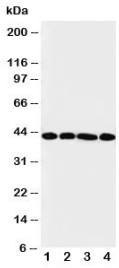
IL3RA Antibody / CD123 (R30698)

Catalog No.	Formulation	Size
R30698	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P26951
Applications	Western Blot : 0.5-1ug/ml
Limitations	This IL3RA antibody is available for research use only.



Western blot testing of IL3RA antibody and Lane 1: A431 cell lysate ; 2: SMMC-7721; 3: U87; 4: 293T cell lysate. Predicted molecular weight ~43kDa.

Description

IL3RA (Interleukin 3 receptor alpha), also called CD123 (Cluster of Differentiation 123), is a human gene. The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor which is composed of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3(IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5(IL5). The genomic structures of IL3RA and CSF2RA are very similar and share an additional exon encoding part of the C-terminal domain not found in other members of this gene family. As in human hematopoietic cells, IL3 and GMCSF competed for binding in fibroblasts expressing the cDNAs for IL3RA, CSF2RA, and the common beta subunit, indicating that different alpha subunits compete for a common beta

subunit.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL3RA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human IL3RA (QYDLYLNVANRRQQYEC) was used as the immunogen for this IL3RA antibody.

Storage

After reconstitution, the IL3RA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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