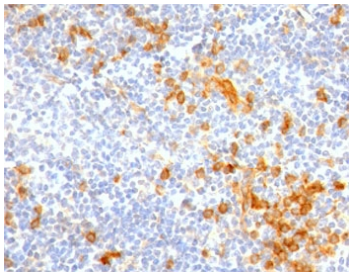
Recombinant IL3RA Antibody CDLA123-1R / CD123 Rabbit Monoclonal Antibody [clone CDLA123-1R] (V7468)

Catalog No.	Formulation	Size
V7468-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7468-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7468SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7468IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

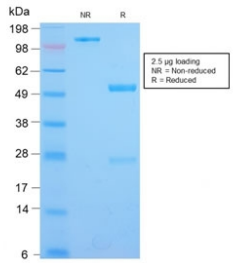
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CDLA123-1R
Purity	Protein A affinity chromatography
UniProt	P26951
Localization	Cell surface, Cytoplasmic
Applications	Immunohistochemistry (FFPE): 0.25-0.5ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This Recombinant IL3RA Antibody CDLA123-1R is available for research use only.



Recombinant IL3RA Antibody CDLA123-1R Immunohistochemistry. IHC staining of FFPE human tonsil with IL3RA/CD123 antibody (clone CDLA123-1R). HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9 for 10-20 min and allow to cool.



SDS-PAGE analysis of purified, BSA-free IL3RA/CD123 antibody (clone CDLA123-1R) as confirmation of integrity and purity.

Description

Recombinant IL3RA Antibody CDLA123-1R targets Interleukin 3 receptor alpha, a cell surface cytokine receptor subunit encoded by the IL3RA gene and commonly referred to as CD123. Interleukin 3 receptor alpha serves as the primary ligand-binding component of the interleukin-3 receptor complex and is predominantly localized to the plasma membrane. Association with the shared beta chain enables signal transduction following cytokine engagement, linking IL3RA expression directly to regulation of hematopoietic and immune cell function.

Interleukin 3 receptor alpha is expressed across a range of hematopoietic cell types and displays dynamic regulation during immune development and activation. CD123 expression is detectable on hematopoietic stem and progenitor cells, monocytes, basophils, plasmacytoid dendritic cells, and select lymphoid populations. Because of this expression pattern, a recombinant IL3RA antibody is frequently used in studies examining immune cell differentiation, cytokine responsiveness, and lineage specification within the hematopoietic system.

IL3RA-mediated signaling supports key cellular processes including survival, proliferation, and functional maturation. Engagement of interleukin-3 with its receptor complex activates downstream pathways that influence cell fate decisions and immune cell expansion. Alterations in IL3RA expression levels have been linked to aberrant cytokine signaling and dysregulated immune responses, underscoring the importance of accurate IL3RA detection in experimental research.

Elevated expression of Interleukin 3 receptor alpha has been reported in multiple hematologic malignancies, where CD123 is often enriched on malignant cell populations compared with normal counterparts. As a result, recombinant IL3RA antibody reagents are widely applied in research investigating disease-associated changes in cytokine receptor expression, leukemic cell biology, and immune microenvironment interactions.

This recombinant IL3RA antibody is produced through controlled expression systems to ensure consistent antibody composition and performance across research applications. Clone CDLA123-1R is designed to recognize Interleukin 3 receptor alpha / CD123 and supports studies focused on immune signaling, hematopoiesis, and cytokine receptor biology. NSJ Bioreagents offers this recombinant IL3RA antibody for research use in immune and hematologic studies.

For a mouse monoclonal clone with broader IHC validation and exceptionally strong protein microarray target separation, see our CD123 Antibody IL3RA/1531 / IL3RA Monoclonal Antibody page.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Recombinant IL3RA Antibody CDLA123-1R may be required due to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A portion of amino acids 26-171 was used as the immunogen for the Recombinant IL3RA Antibody CDLA123-1R.

Storage

Store the Recombinant IL3RA Antibody CDLA123-1R at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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