

Rabbit anti-Human IL3RA Monoclonal Antibody | anti-IL3RA antibody

Rabbit anti Human IL3RA Monoclonal Antibody

CATALOG # AAA173463	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

IL3RA; Monoclonal Antibody; Rabbit anti Human IL3RA Monoclonal Antibody; Anti-CD123 Antibody; Anti-hIL-3Ra Antibody; Anti-IL3R Antibody; Anti-IL3RAY Antibody; Anti-IL3RX Antibody; Anti-IL3RY Antibody; anti-IL3RA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	0.2 um filtered solution in PBS.
Applicable Applications for anti-IL3RA antibody	ELISA, WB (Western Blot)
Immunogen	Recombinant Human IL3RA protein
Note	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of Hela Whole Cell Lysate using IL3RA Monoclonal Antibody at dilution of 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-IL3RA antibody	Interleukin-3 receptor subunit alpha, also known as IL-3 receptor subunit alpha, IL-3R-alpha, CD123, and IL3RA, is a single-pass type I membrane protein which belongs to the type I cytokine receptor family and Type 5 subfamily. The specific alpha subunit of the interleukin-3 receptor (IL-3Ralpha, CD123) is strongly expressed in various leukemic blasts and leukemic stem cells and seems to be an excellent target for the therapy of leukemias. The WSXWS motif of IL3RA appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box one motif of IL3RA is required for JAK interaction and/or activation. IL3RA represents a unique marker for primitive leukemic stem cells. Targeting of IL3RA may be a promising strategy for the preferential ablation of AML cells. Aberrant IL3RA expression is a good marker for monitoring of minimal residual disease. IL3RA is strongly expressed in various leukemic blasts and leukemic stem cells and seems to be an excellent target for the therapy of leukemias. Recent studies have shown that interleukin-3 receptor alpha (CD123) is highly expressed on leukemia stem cells of patients with acute myeloid leukemia, and is correlated with tumor load and poor prognosis. CD123 was highly expressed in the bone marrow of the patients with myelodysplastic syndrome (MDS), significantly correlated with the proportion of bone marrow blasts, and thus might be the marker of MDS malignant clone. IL3RA is also a useful new marker for distinguishing B-cell disorders with circulating villous lymphocytes as its expression is characteristic of typical hairy cell leukemia (HCL) with high sensitivity and specificity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	391224440
NCBI GeneID	3563
NCBI GenBank Nucleotide #	NM_001267713.1
UniProt Accession #	P26951; Q5HYQ7; Q5HYQ8; Q9UEH7; A8K3F3; B9VI81
Molecular Weight	Calculated MW: 43 kDa Observed MW: 38 kDa
NCBI Official Full Name	interleukin-3 receptor subunit alpha isoform 2
NCBI Official Synonym Full Names	interleukin 3 receptor subunit alpha
NCBI Official Symbol	IL3RA
NCBI Official Synonym Symbols	IL3R; CD123; IL3RX; IL3RY; IL3RAY; hIL-3Ra
NCBI Protein Information	interleukin-3 receptor subunit alpha
UniProt Protein Name	Interleukin-3 receptor subunit alpha
UniProt Gene Name	IL3RA
UniProt Synonym Gene Names	IL3R; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA
UniProt Entry Name	IL3RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.