IL5RA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL5RA, Polyclonal Antibody
Full Product Name	IL5RA, CT (IL5RA, IL5R, Interleukin-5 receptor subunit alpha, CDw125, CD125) (MaxLight 650)
Product Gene Name	anti-IL5RA antibody
Product Synonym Names	IL5RA; IL5R; Interleukin-5 receptor subunit alpha; CDw125; CD125
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	23,737 Da
OMIM	147851
3D Structure	ModBase 3D Structure for Q01344
Immunogen	IL5RA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-420 amino acids from the C-terminal region of human IL5RA.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-IL5RA antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-IL5RA antibody	Western Blot (WB), FLISA
Application Notes for anti-IL5RA antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IL5RA antibody	The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised 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 binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Six alternatively spliced transcript variants encoding three distinct isoforms have been reported.
Product References and Citations for anti-IL5RA antibody	Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010): Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Beckers, M.M., et al. Eur. J. Intern. Med. 21(4):289-292(2010). Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010). Wang, Y., et al. Diabet. Med. 27(4):376-383(2010).

Other Notes	Small volumes of anti-IL5RA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL5RA purchase	MBS6310275 is an antibody targeting IL5RA. Also known as IL5RA, CT (IL5RA, IL5R, Interleukin-5 receptor subunit alpha, CDw125, CD125) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL5RA. It may not necessarily be applicable to this product.

NCBI GI #	28559021
NCBI GeneID	3568
NCBI Accession #	NP_000555.2
UniProt Primary Accession #	Q01344
UniProt Secondary Accession #	Q14633; Q15469; Q6ISX9; B3IU77; B4E2G0
UniProt Related Accession #	Q01344
GenBank Nucleotide #	NM_000564.4
NCBI Official Full Name	interleukin-5 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 5 receptor subunit alpha
NCBI Official Symbol	IL5RA
NCBI Official Synonym Symbols	IL5R; CD125; CDw125; HSIL5R3
UniProt Protein Name	Interleukin-5 receptor subunit alpha
UniProt Synonym Protein Names	CDw125
Protein Family	Interleukin-5 receptor
UniProt Gene Name	IL5RA
UniProt Synonym Gene Names	IL5R; IL-5 receptor subunit alpha; IL-5R subunit alpha; IL-5R-alpha; IL-5RA
UniProt Entry Name	IL5RA_HUMAN
NCBI Protein Information	interleukin-5 receptor subunit alpha
NCBI Summary for IL5RA	The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised 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 binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Several alternatively spliced transcript variants encoding four distinct isoforms have been reported. [provided by RefSeq, Jul 2011]
UniProt Comments for IL5RA	IL5RA: This is the receptor for interleukin-5. The alpha chain binds to IL5. Belongs to the type I cytokine receptor family. Type 5 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Receptor, cytokine Chromosomal Location of Human Ortholog: 3p26-p24 Cellular Component: extracellular space; plasma membrane; integral to membrane Molecular Function: protein binding; interleukin-5 receptor activity Biological Process: cell proliferation; regulation of interleukin-5 production; inflammatory response to antigenic stimulus; signal transduction

Research Articles on IL5RA	**1.** Interleukin-5Ralpha-targeted treatments offer promises to patients with eosinophilic respiratory disorders; review
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