# IL13RA1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | IL13RA1, Polyclonal Antibody |
| **Full Product Name** | IL13RA1, NT (IL13RA1, IL13R, IL13RA, Interleukin-13 receptor subunit alpha-1, Cancer/testis antigen 19, CD213a1) (MaxLight 650) |
| **Product Gene Name** | anti-IL13RA1 antibody |
| **Product Synonym Names** | IL13RA1; IL13R; IL13RA; Interleukin-13 receptor subunit alpha-1; Cancer/testis antigen 19; CD213a1 |
| **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** | 48,760 Da |
| **Chromosome Location** | Chromosome: X; NC_000023.10 (117861559..117928496). Location: Xq24 |
| **OMIM** | 300119 |
| **3D Structure** | ModBase 3D Structure for P78552 |
| **Immunogen** | IL13RA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-85 amino acids from the N-terminal region of human IL13RA1. |
| **Conjugate** | MaxLight650 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-IL13RA1 antibody** | Antibodies; Cancer Markers |
| **Applications Tested/Suitable for anti-IL13RA1 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-IL13RA1 antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-IL13RA1 antibody** | The protein encoded by this gene is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. [provided by RefSeq]. |
| **Product References and Citations for anti-IL13RA1 antibody** | Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010). Davila, S., et al. Genes Immun. 11(3):232-238(2010). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Park, S.W., et al. J. Korean Med. Sci. 24(4):614-620(2009). |

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| **Other Notes** | Small volumes of anti-IL13RA1 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 IL13RA1 purchase** | MBS6309901 is an antibody targeting IL13RA1. Also known as IL13RA1, NT (IL13RA1, IL13R, IL13RA, Interleukin-13 receptor subunit alpha-1, Cancer/testis antigen 19, CD213a1) (MaxLight 650). Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL13RA1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 4504647 |
| **NCBI GeneID** | 3597 |
| **NCBI Accession #** | NP_001551.1 |
| **UniProt Primary Accession #** | P78552 |
| **UniProt Secondary Accession #** | O95646; Q5JSL4; Q99656 |
| **UniProt Related Accession #** | P78552 |
| **GenBank Nucleotide #** | NM_001560.2 |
| **NCBI Official Full Name** | interleukin-13 receptor subunit alpha-1 |
| **NCBI Official Synonym Full Names** | interleukin 13 receptor, alpha 1 |
| **NCBI Official Symbol** | IL13RA1 |
| **NCBI Official Synonym Symbols** | NR4; CD213A1; IL-13Ra |
| **UniProt Protein Name** | Interleukin-13 receptor subunit alpha-1 |
| **UniProt Synonym Protein Names** | Cancer/testis antigen 19 |
| **Protein Family** | Interleukin-13 receptor |
| **UniProt Gene Name** | IL13RA1 |
| **UniProt Synonym Gene Names** | IL13R; IL13RA; IL-13 receptor subunit alpha-1; IL-13R subunit alpha-1; IL-13R-alpha-1; IL-13RA1; CT19 |
| **UniProt Entry Name** | I13R1_HUMAN |
| **NCBI Protein Information** | interleukin-13 receptor subunit alpha-1; CT19; IL-13RA1; IL-13R-alpha-1; CD213a1 antigen; IL-13R subunit alpha-1; cancer/testis antigen 19; IL13 receptor alpha-1 chain; IL-13 receptor subunit alpha-1; bB128O4.2.1 (interleukin 13 receptor, alpha 1) |
| **NCBI Summary for IL13RA1** | The protein encoded by this gene is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. [provided by RefSeq, Jul 2008] |

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| **UniProt Comments for IL13RA1** | IL13R: Binds with low affinity to interleukin-13 (IL13). Together with IL4RA can form a functional receptor for IL13. Also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity. Belongs to the type I cytokine receptor family. Type 5 subfamily.<br><br>Protein type: Receptor, cytokine; Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: Xq24<br><br>Cellular Component: interleukin-13 receptor complex; plasma membrane<br><br>Molecular Function: protein binding; interleukin-13 receptor activity<br><br>Biological Process: positive regulation of immunoglobulin production; cell surface receptor linked signal transduction; positive regulation of B cell proliferation |
| **Research Articles on IL13RA1** | **1.** In humans, IL-13Ralpha1 lies within the PARK12 locus of susceptibility to Parkinson's disease and may have a role in the pathogenesis of this neurodegenerative disease. |
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