



Rabbit Anti-Mouse IL13RA1 monoclonal antibody, clone S233 (CABT-ZB918)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Specificity | It reacts with Mouse IL13RA1 It has no cross-reactivity in ELISA with Human IL13RA1/CD213A1, Mouse IL13RA2/CD213A2. |
| Target | IL13RA1 |
| Immunogen | Recombinant Mouse IL13RA1 protein |
| Isotype | IgG1 |
| Source/Host | Rabbit |
| Species Reactivity | Mouse |
| Clone | S233 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB556 - CABT-ZB918 This antibody will detect IL13RA1 in antibody pair set. [ABPR-ZB132] |
| Preparation | This antibody was obtained from a rabbit immunized with purified, recombinant Mouse IL13RA1. |
| Format | Purified, Liquid |
| Concentration | Lot specific |

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| Size | 50 µL, 100 µL, 1 mL |
| Buffer | PBS |
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | Interleukin 13 receptor, alpha 1, also known as IL13RA1/IL-13RA1 and CD213A1 (cluster of differentiation 213A1), 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. IL13RA1/IL-13RA1 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. IL13RA1/IL-13RA1 binds with low affinity to interleukin-13 (IL13). This subunit together with IL4RA can form a functional receptor for IL13. IL13RA1/IL-13RA1 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. |
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| Keywords | IL15; interleukin 15; IL-15; interleukin-15 |
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GENE INFORMATION

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| Synonyms | IL15; interleukin 15; IL-15; interleukin-15 |
| Entrez Gene ID | 3600 |
| UniProt ID | P40933 |