



Mouse Anti-Human IL13RA1 monoclonal antibody, clone NN18 (CABT-ZB841)

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

PRODUCT INFORMATION

Specificity	It reacts with Human IL13RA1
Target	IL13RA1
Immunogen	Recombinant Human IL13RA1/IL-13RA1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN18
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB443 - CABT-ZB841 This antibody will detect IL13RA1 in antibody pair set. [ABPR-ZB017]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human IL13RA1 / IL-13RA1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 200 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

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.
Keywords	IL13RA1; interleukin 13 receptor, alpha 1; NR4; CD213A1

GENE INFORMATION

Synonyms	IL13RA1; interleukin 13 receptor, alpha 1; NR4; CD213A1; IL-13Ra; interleukin-13 receptor subunit alpha-1; CT19; IL-13RA1; IL-13R-alpha-1; CD213a1 antigen
Entrez Gene ID	16164
UniProt ID	O09030