



# Anti-IL13RA2 monoclonal antibody, clone 94908 (DCABY-4017)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Two members of the type 5 subfamily of type I cytokine receptors can serve as receptors for IL-13. IL-13 can bind to IL-13 R alpha 1 (CD213a1; previously designated IL-13 R alpha or NR4) with low affinity, then recruits the IL-4 R alpha chain to form a high affinity receptor, causing downstream STAT6 activation. Alternately, IL-13 can bind IL-13 R alpha 2 (CD213a2) with high affinity; this interaction does not cause activation of STAT6, but does induce TGF-beta production. IL-13 R alpha 1 and IL-13 R alpha 2 each have three extracellular fibronectin type III domains, two cytokine receptor homology modules and a WSXWS motif typical of the class I cytokine receptor family, but IL-13 R alpha 2 has a much shorter cytoplasmic tail. IL-13 R subunits can be expressed on monocytes, macrophages, fibroblasts, human B cells, basophils, eosinophils, endothelial cells, and smooth muscle cells.
<b>Specificity</b>	Detects human IL-13 R alpha 2 in ELISAs. In sandwich ELISAs, no cross-reactivity or interference was observed with recombinant human (rh) IL-4 R, rhIL-5R alpha, rhIL-9R, rhIL-13, rhIL-13 R alpha 1, recombinant mouse (rm) IL-13, rmIL-13 R alpha 1, or rmIL-13 R alpha 2.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human IL-13 R alpha 2. Cys22-Leu342 Accession Number Q14627
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	94908
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated

<b>Applications</b>	ELISA Capture (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	500 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL13RA2 interleukin 13 receptor, alpha 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	IL13RA2
<b>Synonyms</b>	IL13RA2; interleukin 13 receptor, alpha 2; CT19; IL-13R; IL13BP; CD213A2; interleukin-13 receptor subunit alpha-2; IL-13RA2; IL-13R-alpha-2; IL-13R subunit alpha-2; cancer/testis antigen 19; IL-13 receptor subunit alpha-2; interleukin 13 binding protein;
<b>Entrez Gene ID</b>	<a href="#">3598</a>
<b>Protein Refseq</b>	<a href="#">NP_000631</a>
<b>UniProt ID</b>	<a href="#">Q14627</a>
<b>Chromosome Location</b>	Xq23
<b>Pathway</b>	IL4-mediated signaling events; Jak-STAT signaling pathway;
<b>Function</b>	cytokine receptor activity; signal transducer activity;