

Human IL-4R/CD124 ELISA Kit | IL-4R/CD124 elisa kit

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CATALOG #
AAA258362

REACTIVITY
Human

PRODUCT SYNONYMS

IL-4R/CD124; Human IL-4R/CD124 ELISA Kit; IL4R ELISA Kit; Human; interleukin 4 receptor; CD124 ELISA Kit; IL-4RA ELISA Kit; IL4RA ELISA Kit; IL-4R/CD124 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human IL-4R/CD124 concentration in serum and cell culture supernates.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum, Cell supernatant
Detection Range	3.125-200pg/mL
Sensitivity	2.6pg/mL
Conjugation	HRP
Interference	Preparations of human IL4 at 2ng/mL in a mid-range recombinant human IL4R control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

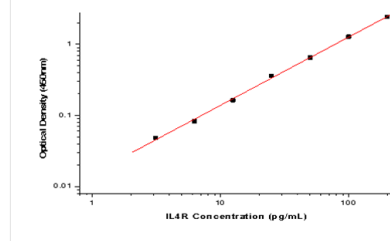
IMAGES

Recombinant human		
CSF2Rb	IL13RA1	IL13RA2

Application Data

This assay recognizes both recombinant and natural Human IL4R. The factors listed below were prepared at 100ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
3.125	0.048
6.25	0.083
12.5	0.163
25	0.357
50	0.648
100	1.281
200	2.450



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for IL-4R/CD124 elisa kit	This IL4R ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human IL4R protein in Serum, Cell supernatant. It contains recombinant Human IL4R, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alters the behavior of the cell. Some CD proteins do not take part in the cell signal process but have other functions such as cell adhesion. CD124, also known as the interleukin 4 receptor (IL4R), is a typeI transmembrane protein that can regulate IgE antibody production in B cells through binding to interleukin 4 and interleukin 13 and promote differentiation of Th2 cells through binding to interleukin 4. The membrane-bound form of CD124 can be hydrolyzed to a soluble form which can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells.
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/il-4r-cd124/258362>