

Human IL-10 ELISA Kit | IL-10 elisa kit

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CATALOG #
AAA269044

REACTIVITY
Human

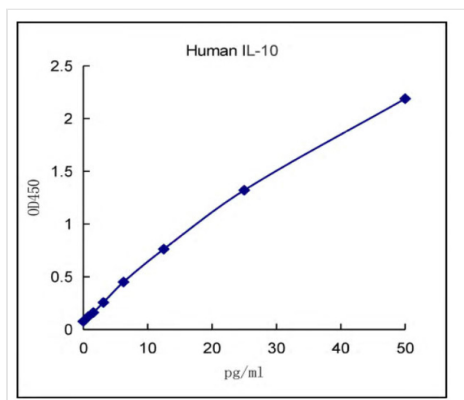
PRODUCT SYNONYMS

IL-10; Human IL-10 ELISA Kit; IL-10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Not compatible with IL-10Ralpha, IL-10R beta/Fc Chimera, Recombinant mouse IL-10 and IL-10Ralpha, Recombinant mouse EQUine IL-10, Feline il-10II-10, Porcine IL-10, rat IL-10, etc.
Assay Type	Sandwich
Samples	Cell culture supernates, serum, and plasma
Sensitivity	0.39 pg/mL
Preparation and Storage	Store at 4 degree C Shipping: Gel Ice

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-10 elisa kit	Background: Interleukin 10 (IL-10) is mainly produced by Th2 cells and is an immune regulatory cytokine that inhibits the release of cytokines (IFN-gamma and IL-2, etc.) by Th1 cells.IL-10 can also be produced by other cells and has many other functions.Cytokine synthesis inhibitory factor (CSIF), B cell-derived T cell growth factor, and cytokine cytokine synthesis inhibitory factor (CSIF).B - TCGF), etc.IL-10 mainly targets T cells, NK cells, B cells, mononuclear macrophages and mast cells and exerts inhibitory effects.The effect of IL-10 on T cells is biphasic.IL-10 inhibits the synthesis and production of IL-2, IL-5, TNF-A and IFN-gamma by CD4+T cells.IL-10 inhibited THE release of IFN-gamma by CTL.IL-10 also inhibits IFN-gamma production in NK cells, which is different from the inhibitory effect of IL-4.IL-4 directly inhibits NK cells;IL-10 works through mononuclear macrophages.IL-10 is an auxiliary growth factor for development in mature, immature and thymus cells.IL-10 stimulates the rapid growth and differentiation of human B cells activated by anti-CD40 antibodies (or antigens) and produces large amounts of IgG, IgA, and IgM.IL-10 did not support the growth of mast cells or mast cell precursors, but significantly increased the growth-promoting effect of IL-3 or IL-4 on mouse mast cells.IL-10 inhibited macrophage antigen presentation to Th1 cells, and reduced macrophage expression of MHC-II molecules, ICAM-1 and B7 molecules.IL-10 inhibits cytokine synthesis by macrophages. Principle of the Assay: ELISA kit uses double antibody sandwich method: anti-human IL-10 monoclonal antibody is coated on a plate, and human IL-10 is bound to monoclonal antibody in specimens and standard products, and the free components are washed away.Biotinylated anti-human IL-10 antibody and horseradish pero labeled avidin were added, and biotin specifically bound to avidin;Anti-human IL-10 antibodies bind to human IL-10 bound to a single antibody to form an immune complex in which the free components are washed away.Add color substrate, if there is IL-10 in the reaction hole, horseradish peroxidase will make the colorless color agent blue, add stop solution to turn yellow.OD measurement at 450 nm shows that the concentration of HUMAN IL-10 is in direct proportion to OD450. The concentration of HUMAN IL-10 can be calculated by drawing a standard curve.
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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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/il-10/269044>