

Human IL-21 ELISA Kit | IL-21 elisa kit

IL-21 ELISA Kit, Human

CATALOG #
AAA259153

REACTIVITY
Human

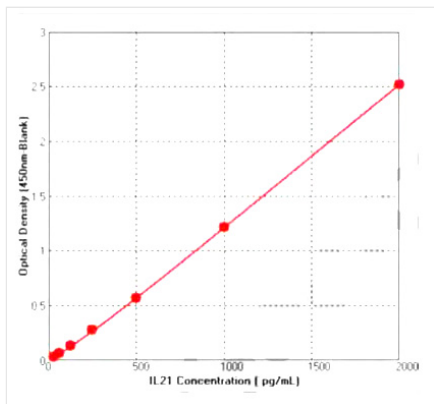
PRODUCT SYNONYMS

IL-21; IL-21 ELISA Kit; Human; interleukin 21; CVID11 ELISA Kit; Za11 ELISA Kit; IL-21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes both recombinant Human IL-21.
Assay Type	Sandwich
Detection Range	31.25-2000 pg/mL
Sensitivity	7.7 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) - Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays) - Three samples of known concentration were tested in three separate assays to assess inter-assay precision.
Preparation and Storage	Unopened Kit: Store at 2-8 degree COpened/Reconstituted Reagents: Please refer to CoA

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-21 elisa kit	Principle of the Assay: The principle of this ELISA kit is based on the Sandwich Enzyme-Linked Immunosorbent Assay (ELISA). The 96-well strip plate is pre-coated with a monoclonal antibody specific for Human IL-21. Standards and Human IL-21 present in the sample are bound by the immobilized antibody. After washing, a horseradish peroxidase conjugated anti-Human IL-21 antibody is added, producing an antibody-antigen-antibody "sandwich complex". Following a wash to remove any unbound antibody-enzyme reagent, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Human IL-21 bound in the initial step. The color development is stopped and the intensity of the color is measured at 450 nm. Intended Uses: The kit has been verified by high purity Human IL-21 recombinant protein. The use of this kit for natural samples needs to be validated by the end user due to the complexity of natural targets and unpredictable interference.
References	Coquet JM, et al. (2007) IL-21 is produced by NKT cells and modulates NKT cell activation and cytokine production. J Immunol. 178(5):2827-34. Wei L, et al. (2007) IL-21 is produced by Th17 cells and drives IL-17 production in a STAT3-dependent manner. J Biol Chem. 282(48):34605-10. Parrish-Novak J, et al. (2002) Interleukin-21 and the IL-21 receptor: novel effectors of NK and T cell responses. J Leukoc Biol. 72(5):856-63. Kuchen S, et al. (2007) Essential role of IL-21 in B cell activation, expansion, and plasma cell generation during CD4+ T cell-B cell collaboration. J Immunol. 179(9):5886-96.

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-21/259153>