

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

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CATALOG #
AAA258409

REACTIVITY
Human

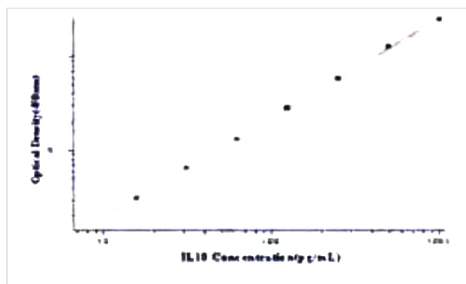
PRODUCT SYNONYMS

IL-10; Human IL-10 ELISA Kit; IL-10 ELISA Kit; Human; interleukin 10; CSIF ELISA Kit; GVHDS ELISA Kit; IL10A ELISA Kit; Interleukin-10 ELISA Kit; TGIF ELISA Kit; IL-10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human IL-10 concentration in cell culture supernates.
Assay Type	Sandwich
Detection Range	15.63-1000 pg/ml
Sensitivity	7.25 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-10 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 precoated with a monoclonal antibody specific for human IL-10. Standards and human IL-10 present in the sample is bound by the immobilized antibody. After washing, a horseradish peroxidase conjugated anti-human IL-10 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-10 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 applies for the accurate quantitation of human IL-10 from cell culture supernates. The other biological fluids need to be validated by the end user due to the complexity of natural targets and unpredictable interference.

References

- Arimoto T, et al. (2007) Interleukin-10 protects against inflammation-mediated degeneration of dopaminergic neurons in substantia nigra. *Neurobiol Aging*. 28(6):894-906.
- Han X, et al. (2010) Effect of cobalt protoporphyrin on hyperexpression of heme oxygenase-1 and secretion of IL-10 in rat bone marrow mesenchymal stem cells. *Zhongguo Shi Yan Xue Ye Xue Za Zhi*. 18(5):1297-301.
- Cui QQ, et al. (2011) Expression of RhoA in the lung tissue of acute lung injury rats and the influence of RhoA on the expression of IL-8 and IL-10. *Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi*. 77(7): 1436-41.

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://www.aaabiotech.com/human-elisa-kits/il-10/258409>