

IL-10 elisa kit

Human IL-10 HS ELISA Kit

CATALOG #
AAA58611

REACTIVITY
Human. No cross reactivity with other human cytokines.

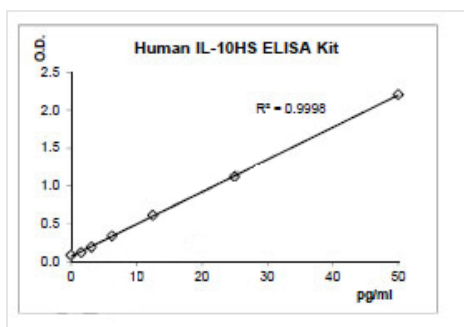
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human. No cross reactivity with other human cytokines.
Specificity	Detects human IFNgamma in direct ELISAs and Western-blot. This antibody does not crossreact with recombinant mouse(rm) IFNgamma, rrlIFNgamma, rplIFNgamma, rfeIFNgamma, or rcrlIFNgamma.
Sequence Length	168
Samples	Human Serum, Human Plasma, Cell Lysate, Culture Supernatants And Buffered Solution
Assay Type	Quantitative Sandwich
Sensitivity	15.262 pg/ml

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-10 elisa kit	Intended Uses: The Human IFNgamma ELISA kit is to be used for the determination of Human IFNgamma in Human serum, Human plasma, cell lysate, culture supernatants and buffered solution. The assay will recognize native and recombinant Human IFNgamma. Principle of the Assay: The design of this assay is based on a sandwich Enzyme-Linked Immunosorbent Assay (ELISA). The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific to Human IFNgamma. Samples are pipetted into these wells. Nonbound Human IFNgamma and other components of the sample should be removed by washing, then monoclonal antibody specific to Human IFNgamma added. In order to quantitatively determine the amount of Human IFNgamma present in the sample, Streptavidin Horseradish Peroxidase (HRP) should be added to each microplate well. The final step, a TMB-substrate solution added to each well. Finally, a sulfuric acid solution is added and the resulting yellow colored product is measured at 450nm. Since the increases in absorbency is directly proportional to the amount of captured Human IFNgamma!! Background/Introduction: Interferon gamma (IFNgamma) is a dimerized soluble cytokine that is the only member of the type II class of interferons. The existence of this interferon, which early in its history was known as immune interferon, was recognized in 1970 when tuberculin-sensitized peritoneal cells were challenged with PPD and resulting supernatants were shown to inhibit growth of vesicular stomatitis virus. That report also contained the basic observation underlying the now widely employed interferon gamma release assay used to test for TB. This interferon was later called macrophage-activating factor, a term now used to describe a larger family of proteins to which IFNgamma belongs. In humans, the IFNgamma protein is encoded by the IFNG gene. IFNgamma, or type II interferon, is a cytokine that is critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. IFNgamma is an important activator of macrophages. Aberrant IFNgamma expression is associated with a number of autoimmune and inflammatory diseases. The importance of IFNgamma in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects. IFNgamma is produced predominantly by natural killer (NK) and natural killer T (NKT) cells as part of the innate immune response, and by CD4 Th1 and CD8 cytotoxic T lymphocyte (CTL) effector T cells once antigen-specific immunity develops.
Product Categories/Family for IL-10 elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	21492460
NCBI GeneID	944684
NCBI Accession #	NP_659579.1
NCBI GenBank Nucleotide #	NC_004002.1
NCBI Official Full Name	IL-10
NCBI Official Symbol	SPPV_03
NCBI Protein Information	IL-10

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://stage.aaabiotech.com/human-elisa-kits/il-10/58611>