

Human IL-28A ELISA Kit | IL-28A elisa kit

IL-28A (Human) OmniKine ELISA Kit

CATALOG #
AAA315734

REACTIVITY
Human

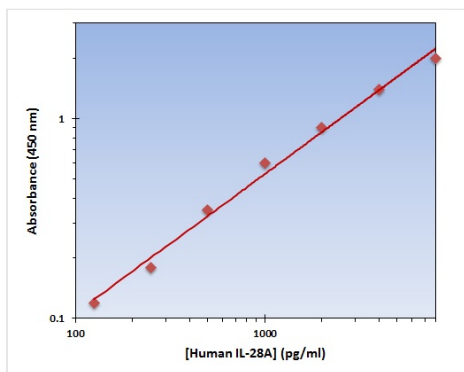
PRODUCT SYNONYMS

IL-28A; IL-28A (Human) OmniKine ELISA Kit; Interleukin-28A; Cytokine Zcyto20; Interferon lambda-2; IL-28A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The OmniKine™ Human IL-28A ELISA is capable of recognizing both recombinant and naturally produced Human IL-28A proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Form/Format	12 x 8-Well Microstrips
Sequence Length	200
Assay Type	Quantitative Sandwich
Preparation and Storage	Store entire kit at 4 degree C until use.

IMAGES



Application Data

The OmniKine Human IL-28A ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-28A proteins within the range of 125-8000 pg/ml.

ADDITIONAL INFORMATION

Related Product Information for IL-28A elisa kit	Principle of the Assay: The OmniKine™ Human IL-28A ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human IL-28A concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Human IL-28A while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a colorimetric reaction to ensue upon substrate addition. When the substrate TMB (3, 3', 5, 5'-Tetramethylbenzidine) is added, the reaction catalyzed by peroxidase yields a blue color that is representative of the antigen concentration. Upon sufficient color development, the reaction can be terminated through addition of Stop Solution (2 N Sulfuric Acid) where the color of the solution will turn yellow. The absorbance of each well can then be read by a spectrophotometer, allowing for generation of a standard curve and subsequent determination of protein concentration. Background/Introduction: The OmniKine™ Human IL-27 ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human IL-27 concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Human IL-27 while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a colorimetric reaction to ensue upon substrate addition. When the substrate TMB (3, 3', 5, 5'-Tetramethylbenzidine) is added, the reaction catalyzed by peroxidase yields a blue color that is representative of the antigen concentration. Upon sufficient color development, the reaction can be terminated through addition of Stop Solution (2 N Sulfuric Acid) where the color of the solution will turn yellow. The absorbance of each well can then be read by a spectrophotometer, allowing for generation of a standard curve and subsequent determination of protein concentration.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	26024321
NCBI GeneID	282616
NCBI Accession #	NP_742150.1
NCBI GenBank Nucleotide #	NM_172138.1
UniProt Accession #	Q8IZJ0; Q45KQ8; Q6VN55; Q8IWL7
Molecular Weight	22,288 Da
NCBI Official Full Name	interferon lambda-2
NCBI Official Synonym Full Names	interferon lambda 2
NCBI Official Symbol	IFNL2
NCBI Official Synonym Symbols	IL28A; IL-28A
NCBI Protein Information	interferon lambda-2
UniProt Protein Name	Interferon lambda-2
UniProt Gene Name	IFNL2

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-28a/315734>