

Rat Interleukin 16, IL-16 ELISA Kit | IL-16 elisa kit

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CATALOG #
AAA15290

REACTIVITY
Rat

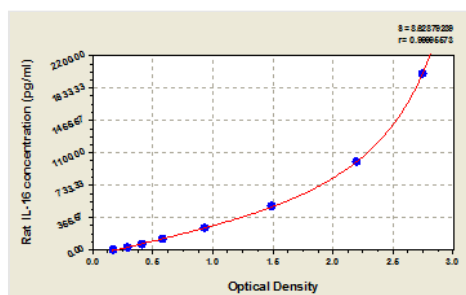
PRODUCT SYNONYMS

Interleukin 16; IL-16; Rat Interleukin 16; IL-16 ELISA Kit; IL-16 ELISA KIT; IL-16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat IL-16. No significant cross-reactivity or interference between rat IL-16 and analogues was observed.
Sequence Length	576
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	31.25 pg/ml -2000 pg/ml.
Sensitivity	The minimum detectable dose of rat IL-16 is typically less than 7.81 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-16 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IL-16 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-16 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL-16 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL-16 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116283877
NCBI GeneID	3603
UniProt Accession #	Q05BE6; Q14005
Molecular Weight	61,007 Da
NCBI Official Full Name	IL16 protein, partial
NCBI Official Synonym Full Names	interleukin 16
NCBI Official Symbol	IL16
NCBI Official Synonym Symbols	LCF; NIL16; PRIL16; prIL-16
NCBI Protein Information	pro-interleukin-16; prointerleukin 16; neuronal interleukin 16; lymphocyte chemoattractant factor
UniProt Protein Name	IL16 protein
UniProt Gene Name	IL16
UniProt Entry Name	Q05BE6_HUMAN

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.