

Mouse Interleukin 16 (IL16) ELISA Kit | IL16 elisa kit

Mouse Interleukin 16 (IL16) Mini Samples ELISA Kit

CATALOG # AAA188641	REACTIVITY Mouse	APPLICATIONS ELISA
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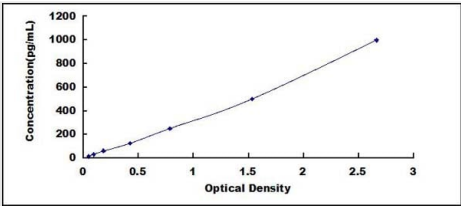
PRODUCT SYNONYMS

Interleukin 16 (IL16); Mouse Interleukin 16 (IL16) Mini Samples ELISA Kit; Interleukin 16; LCF; PrIL-16; Lymphocyte Chemoattractant Factor; Pro-Interleukin 16; IL16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Interleukin 16 (IL16). No significant cross-reactivity or interference between Mini Samples Interleukin 16 (IL16) and analogues was observed.
Sequence Length	1322
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.9pg/mL
Applicable Applications for IL16 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Interleukin 16 (IL16) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Interleukin 16 (IL16) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Interleukin 16 (IL16). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Interleukin 16 (IL16). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mini Samples Interleukin 16 (IL16), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Mini Samples Interleukin 16 (IL16) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	52138550
NCBI GeneID	16170
NCBI Accession #	NP_034681.2
NCBI GenBank Nucleotide #	NP_034681.2
UniProt Accession #	O54824
NCBI Official Full Name	pro-interleukin-16 isoform 2
NCBI Official Synonym Full Names	interleukin 16
NCBI Official Symbol	IL16
NCBI Official Synonym Symbols	mKIAA4048
NCBI Protein Information	pro-interleukin-16
UniProt Protein Name	Pro-interleukin-16
UniProt Gene Name	IL16
UniProt Synonym Gene Names	IL-16; LCF
UniProt Entry Name	IL16_MOUSE

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/mouse-elisa-kits/interleukin-16-il16/188641>