

Rat Interleukin 12A (IL12A) RTU ELISA Kit | IL12A rtu elisa kit

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CATALOG #
AAA216249

REACTIVITY
Rat

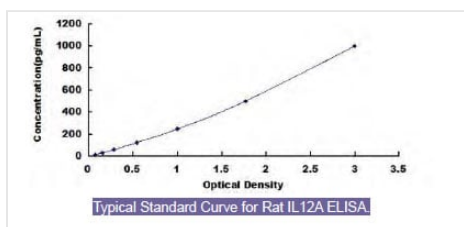
PRODUCT SYNONYMS

Interleukin 12A (IL12A); Rat Interleukin 12A (IL12A) ELISA Kit; p35; IL12-A; CLMF1; NFSK; NKSF1; Natural Killer Cell Stimulatory Factor 1; Cytotoxic Lymphocyte Maturation Factor 1; NF Cell Stimulatory Factor Chain 1; IL12A rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IL12A. No significant cross-reactivity or interference between IL12A and analogues was observed.
Sequence Length	335
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	< 6.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL12A were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL12A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL12A rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of IL12A in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IL12A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IL12A. 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 IL12A, 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 IL12A in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12018288
NCBI GeneID	64546
NCBI Accession #	NP_072133.1
NCBI GenBank Nucleotide #	NM_022611.1
UniProt Accession #	Q9R278
Molecular Weight	38,413 Da
NCBI Official Full Name	interleukin-12 subunit beta
NCBI Official Synonym Full Names	interleukin 12B
NCBI Official Symbol	IL12b
NCBI Official Synonym Symbols	IL12
NCBI Protein Information	interleukin-12 subunit beta
UniProt Protein Name	Interleukin-12 subunit beta
UniProt Gene Name	IL12b
UniProt Synonym Gene Names	IL-12B

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.