

Mouse Interleukin 11 (IL11) ELISA Kit | IL11 elisa kit

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CATALOG #
AAA20468

REACTIVITY
Mouse

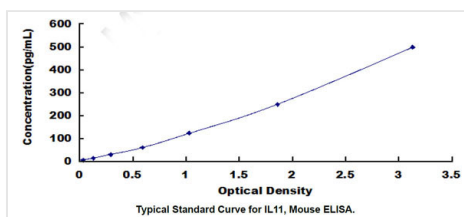
PRODUCT SYNONYMS

Interleukin 11 (IL11); Mouse Interleukin 11 (IL11) ELISA Kit; AGIF; Adipogenesis Inhibitory Factor; Oprelvekin; IL11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IL11. No significant cross-reactivity or interference between IL11 and analogues was observed.
Sequence Length	199
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	< 3.0pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL11 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 IL11 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for IL11 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL11. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL11. 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 IL11, 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 IL11 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL11 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for IL11 elisa kit	Cytokine; Infection immunity; Rheumatology
References	MEK/ERK/RUNX2 Pathway-Mediated IL-11 Autocrine Promotes the Activation of Müller Glial Cells during Diabetic Retinopathy; Curr Eye Res; 2022 Dec;47(12):1622-1630.; PMID: 36154781; Na Ji; Department of Ophthalmology, The Second Affiliated Hospital of Soochow University, Suzhou, China.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834994
NCBI GeneID	3589
NCBI Accession #	NP_000632.1
NCBI GenBank Nucleotide #	NM_000641.3
UniProt Accession #	P20809; Q96EB4; B4DQV5
Molecular Weight	12,994 Da
NCBI Official Full Name	interleukin-11 isoform 1
NCBI Official Synonym Full Names	interleukin 11
NCBI Official Symbol	IL11
NCBI Official Synonym Symbols	AGIF; IL-11
NCBI Protein Information	interleukin-11
UniProt Protein Name	Interleukin-11
UniProt Gene Name	IL11
UniProt Synonym Gene Names	AGIF
UniProt Entry Name	IL11_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.