

Mouse IL-23 ELISA Kit | IL23A elisa kit

Mouse IL-23 PicoKine ELISA Kit

CATALOG #
AAA45274

REACTIVITY
Mouse

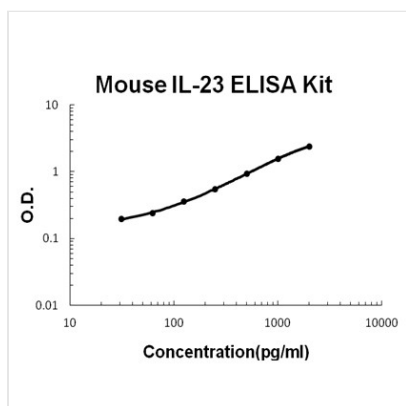
PRODUCT SYNONYMS

IL-23; Mouse IL-23 PicoKine ELISA Kit; Interleukin-23 subunit alpha; interleukin 23; alpha subunit p19; IL 23; IL 23A; IL-23 subunit alpha; IL-23-A; IL-23p19; IL23a; IL23A_HUMAN; IL23P19; Interleukin 23 alpha subunit p19; Interleukin-23 subunit p19; JKA3 induced upon T cell activation; P19; SGRF; IL23A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IL-23
Sequence Length	196
Samples	Cell culture supernates, serum and plasma (heparin)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 2pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse IL-23 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL23A elisa kit	Principle of the assay: mouse IL-23 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL-23 has been precoated onto 96-well plates. Standards(sf21, (M23-S335)+(L20-A196)) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-23 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse IL-23 amount of sample captured in plate. Background: Interleukin-23 subunit alpha(IL-23) is a protein that in humans is encoded by the IL23A gene. IL-23 is a heterodimeric cytokine consisting of two subunits, one called p40, which is shared with another cytokine, IL-12, and another called p19 (the IL-23 alpha subunit). IL-23 is an important part of the inflammatory response against infection. It promotes upregulation of the matrix metalloprotease MMP9, increases angiogenesis and reduces CD8+ T-cell infiltration. Recently, IL-23 has been implicated in the development of cancerous tumors. The International Radiation Hybrid Mapping Consortium mapped the p19 gene to chromosome 12 (stSG47812).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81881842
NCBI GeneID	83430
UniProt Accession #	Q9EQ14
Molecular Weight	22,071 Da
NCBI Official Full Name	Interleukin-23 subunit alpha
NCBI Official Synonym Full Names	interleukin 23, alpha subunit p19
NCBI Official Symbol	IL23a
NCBI Official Synonym Symbols	p19; IL-23
NCBI Protein Information	interleukin-23 subunit alpha; IL-23-A; IL-23p19; IL-23 subunit alpha; interleukin-23 subunit p19
UniProt Protein Name	Interleukin-23 subunit alpha
UniProt Gene Name	IL23a
UniProt Synonym Gene Names	IL-23 subunit alpha; IL-23-A; IL-23p19
UniProt Entry Name	IL23A_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.