

Mouse IL-27 p28 ELISA Kit | IL27 elisa kit

Mouse IL-27 p28 PicoKine ELISA Kit

CATALOG #
AAA11590

REACTIVITY
Mouse

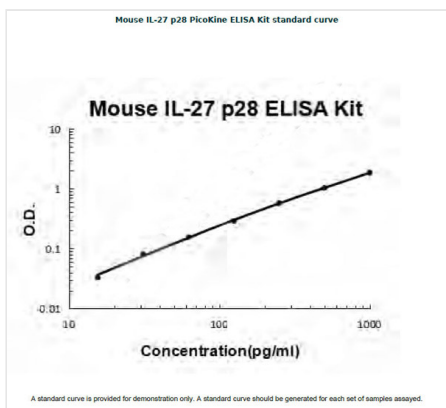
PRODUCT SYNONYMS

IL-27 p28; Mouse IL-27 p28 PicoKine ELISA Kit; Interleukin-27 subunit alpha; interleukin 27; IL 27A; IL 30; IL-27 subunit alpha; IL-27-A; IL27; IL27-A; IL27A; IL27A_HUMAN; IL27p28; IL30; Interleukin 27; Interleukin 27 subunit alpha; Interleukin 30; p28; IL27 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse IL27
Sequence Length	234
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/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 across 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)

ADDITIONAL INFORMATION

Related Product Information for IL27 elisa kit	Principle of the Assay: The Picokine™ Mouse IL27 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse IL27 with a 96-well strip plate that is pre-coated with antibody specific for IL27. The detection antibody is a biotinylated antibody specific for IL27. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse IL27 with immunogen: Expression system for standard: NS0; Immunogen sequence: F29-S234. The kit is analytically validated with ready-to-use reagents. To measure Mouse IL27, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse IL27 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse IL27 in the sample. Background/Introduction: Interleukin-27 (IL-27) is a heterodimeric cytokine belonging to the IL-12 family that is composed of two subunits; Epstein-Barr virus (EBV)-induced gene 3 (EBI3) (also known as IL-27B) and IL27-p28 (known as IL-30). IL-27 is produced by antigen-presenting cells. By genomic sequence analysis, the IL27 p28 gene was mapped to chromosome 16p11. L-27 plays an important function in regulating the activity of B- and Tlymphocytes. The effects of IL-27 are eliciting by its interaction with a specific cell-surface receptor complex composed of two proteins known as IL27R and gp130.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81866680
NCBI GeneID	246779
UniProt Accession #	Q8K3I6
Molecular Weight	26,542 Da
NCBI Official Full Name	Interleukin-27 subunit alpha
NCBI Official Synonym Full Names	interleukin 27
NCBI Official Symbol	IL27
NCBI Official Synonym Symbols	p28; IL30; IL-27; IL-27p28
NCBI Protein Information	interleukin-27 subunit alpha; IL27-A; IL-27-A; interleukin 30; IL-27 p28 subunit; IL-27 subunit alpha
UniProt Protein Name	Interleukin-27 subunit alpha
UniProt Gene Name	IL27
UniProt Synonym Gene Names	IL27a; IL-27 subunit alpha; IL-27-A; IL27-A
UniProt Entry Name	IL27A_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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