

Mouse IL-20 ELISA Kit | IL20 elisa kit

Mouse IL-20 PicoKine ELISA Kit

CATALOG #
AAA45962

REACTIVITY
Mouse

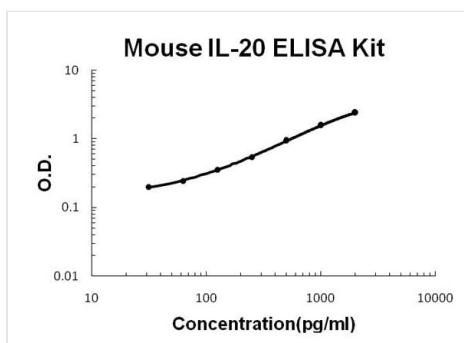
PRODUCT SYNONYMS

IL-20; Mouse IL-20 PicoKine ELISA Kit; Interleukin-20; interleukin 20; Cytokine Zcyto10; Four alpha helix cytokine; IL10D; IL20; IL20_HUMAN; Interleukin 20; MGC96907; UNQ852/PRO1801; ZCYTO10; IL20 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IL-20
Sequence Length	176
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/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-20 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL20 elisa kit	Principle of the assay: mouse IL-20 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL-20 has been precoated onto 96-well plates. Standards(E.coli, L25-E176) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-20 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-20 amount of sample captured in plate. Background: IL-20, also known as Interleukin 20 or Zcyto10, is a protein that in humans is encoded by the IL20 gene. This gene is mapped to 1q32.1. IL-20 is a protein belonging to the IL-10 family of cytokines. This cytokine has been shown to transduce its signal through signal transducer and activator of transcription 3 (STAT3) in keratinocytes. A specific receptor for this cytokine is found to be expressed in skin and upregulated dramatically in psoriatic skin, suggesting a role for this protein in epidermal function and psoriasis. IL-20 regulates proliferation and differentiation of keratinocytes during inflammation, particularly inflammation associated with the skin. In addition, IL-20 also causes cell expansion of multipotential hematopoietic progenitor cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17366898
NCBI GeneID	58181
UniProt Accession #	Q9JKV9
Molecular Weight	20,098 Da
NCBI Official Full Name	Interleukin-20
NCBI Official Synonym Full Names	interleukin 20
NCBI Official Symbol	IL20
NCBI Official Synonym Symbols	Zcyto10
NCBI Protein Information	interleukin-20; IL-20; cytokine Zcyto10; four helix bundle cytokine 10; four alpha helix cytokine ZCYTO10
UniProt Protein Name	Interleukin-20
UniProt Gene Name	IL20
UniProt Synonym Gene Names	Zcyto10; IL-20
UniProt Entry Name	IL20_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.