

Mouse IL-21 ELISA Kit | IL21 elisa kit

Mouse IL-21 PicoKine ELISA Kit

CATALOG #
AAA45565

REACTIVITY
Mouse

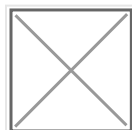
PRODUCT SYNONYMS

IL-21; Mouse IL-21 PicoKine ELISA Kit; Interleukin-21; interleukin 21; Cytokine CX2; DN 452A22.7; IL 21; Interleukin 21; Interleukin 21 isoform; Interleukin21; OTTMUSP00000007838; Za11; IL21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IL-21
Sequence Length	146
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 10pg/ml
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-21 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL21 elisa kit

Principle of the assay: mouse IL-21 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL-21 has been precoated onto 96-well plates. Standards(E.coli,P25-S146) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-21 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-21 amount of sample captured in plate.

Background: Interleukin-21 is a protein that in humans is encoded by the IL21 gene. Interleukin 21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. By radiation hybrid analysis, the IL21 gene is mapped to chromosome 4q26-q27, near the IL2 gene. IL21 stimulates B-cell proliferation in an anti-CD40-dependent manner but inhibits proliferation stimulated by IL4 plus anti-IgM. The biologic effects of IL21 on NK cells differ between species, with human IL21 enhancing NK cell proliferation and murine IL21 inhibiting NK cell proliferation. IL21 is a cytokine highly expressed by mouse T(H)17 cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	81870292
NCBI GeneID	60505
UniProt Accession #	Q5SUE2; Q9ES17
Molecular Weight	16,811 Da
NCBI Official Full Name	Interleukin 21 (IL21 protein)
NCBI Official Synonym Full Names	interleukin 21
NCBI Official Symbol	IL21
NCBI Official Synonym Symbols	IL-21
NCBI Protein Information	interleukin-21
UniProt Protein Name	Interleukin
UniProt Gene Name	IL21
UniProt Entry Name	Q5SUE2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/il21-mouse-elisa-kits/il-21/45565>