

Mouse IL-12 p70 ELISA Kit | IL-12p70 elisa kit

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CATALOG # AAA332574	REACTIVITY Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

IL-12 p70; Mouse IL-12 p70 ELISA Kit; IL12; IL 12; IL-12; CLMF p35; Cytotoxic lymphocyte maturation factor 35 kDa subunit; IL12 p70; IL-12 subunit p35; subunit p35; interleukin 12; p35; interleukin 12A (natural killer cell stimulatory factor 1; cytotoxic lymphocytematuration factor 1; p35); interleukin-12 alpha chain; IL-12p70 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse IL-12 p70 ELISA Kit has high sensitivity and excellent specificity for detection of Mouse IL-12 p70. No significant cross-reactivity or interference between Mouse IL-12 p70 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	31.25 pg/mL - 2,000 pg/mL
Sensitivity	16 pg/mL
Applicable Applications for IL-12p70 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-12p70 elisa kit	Principle of the Assay: Interleukin 12 (IL-12), also known as natural killer cell stimulatory factor (NKSF) or cytotoxic lymphocyte maturation factor (CLMF), is a heterodimeric pleiotropic cytokine made up of a 40 kDa (p40) subunit and a 35 kDa (p35) subunit. Mouse IL-12 p70 ELISA Kit employs a double antibody sandwich method to quantitate Mouse IL-12 p70 in samples. An antibody specific for Mouse IL-12 p70 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Mouse IL-12 p70 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Mouse IL-12 p70 is added to the wells. After washing, proprietary Streptavidin-HRP conjugates are added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450nm wavelength. The IL-12p70 concentration is proportional to the OD450 nm value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226874945
NCBI GeneID	16159
NCBI Accession #	NP_001152896.1
NCBI GenBank Nucleotide #	NM_001159424.1
UniProt Accession #	P43431
Molecular Weight	24,179 Da
NCBI Official Full Name	interleukin-12 subunit alpha isoform 1
UniProt Protein Name	Interleukin-12 subunit alpha
UniProt Gene Name	IL12a
UniProt Synonym Gene Names	IL-12A; CLMF p35
UniProt Entry Name	IL12A_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.