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IL12A ELISA Kit





Overview

Quantity:	96 tests
Target:	IL12A
Binding Specificity:	AA 23-215, AA 23-335
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details	
Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat IL-12(P70). 96wells/kit, with removable strips.
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: sf21, Immunogen sequence: (M23-S335)+(R23-S215)
Sensitivity:	< 1.5 pg/mL
Components:	96-well plate precoated with antibody lyophilized recombinant standard

biotinylated antibody (dilution 1:100)

Avidin-Biotin-Peroxidase Complex(ABC)(dilution 1:100)

Sample diluent buffer

Antibody diluent buffer

ABC diluent buffer

TMB color developing agent

TMB stop solution

Adhesive cover

Target Details

Target:	IL12A
Alternative Name:	II12a (IL12A Products)
Background:	Synonyms: Interleukin-12 subunit alpha, IL-12A, Cytotoxic lymphocyte maturation factor 35 kDa subunit, CLMF p35, IL-12 subunit p35, II12a
	Background: Interleukin (IL)-12 is a 70-KDa cytokine comprised of two disulfide-linked proteins (p35 and p40) and is essential for the initiation of effective immune response. And the IL-12p70
	is a heterodimer of p35 and p40 subunits, it is an important cytokine secreted by antigen- presenting cells in response to antigenic stimulation. Gene expression analysis of the IL-12 cytokine family subunits revealed that both strains induced high levels of p40 (protein chain communal to IL-12 p70 and IL-23) as well as p19, a subunit of IL-23. Conversely only ACT-
	18HS19 infection induced consistent transcription of IL-12 p35, a subunit of IL-12 p70. The standard product used in this kit is recombinant rat IL-12 p70 comprising of a 193 amino acids p35 chain and a 313 amino acids p40 chain connected by a disulfide bond. Cellular Localisation: Secreted.
UniProt:	Q9R103
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Activated T Cell Proliferation

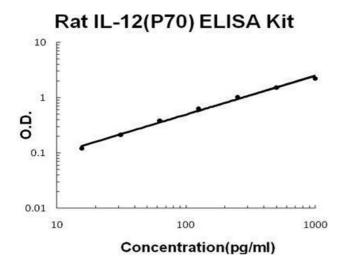
Application Details

Assay Time:	15 min
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months

Images



ELISA

Image 1. Rat IL-12P70 PicoKine ELISA Kit standard curve