

Datasheet for ABIN6719868

IL12 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	IL12
Reactivity:	Mouse
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:	Mouse IL-12 (p70) Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse IL-12(P70). There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 1.5 pg/mL
Components:	<ul style="list-style-type: none">• Antibody-coated 96-well plate• Target Protein Standard• Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	IL12
Alternative Name:	IL-12(p70) (IL12 Products)
Background:	<p>Synonyms: CLMF, CLMF p35, Cytotoxic lymphocyte maturation factor 1, Cytotoxic lymphocyte maturation factor 1 p35, Cytotoxic lymphocyte maturation factor 35 kDa subunit, IL-12 subunit p35, IL-12A, IL12A, IL12A_HUMAN, IL35 subunit, Interleukin 12 alpha chain, Interleukin 12 p35, Interleukin 12 p70, Interleukin-12 subunit alpha, Natural killer cell stimulatory factor 1, Natural killer cell stimulatory factor 1 35 kD subunit, NF cell stimulatory factor chain 1, NFSK, NK cell stimulatory factor chain 1, NKSF1, P35</p> <p>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 mouse IL-12 p70 comprising of a 193 amino acids p35 chain and a 313 amino acids p40 chain connected by a disulfide bond.</p>
Gene ID:	16159
NCBI Accession:	NP_001152896
UniProt:	F8WI71
Pathways:	JAK-STAT Signaling , TLR Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation , Cancer Immune Checkpoints , Inflammasome

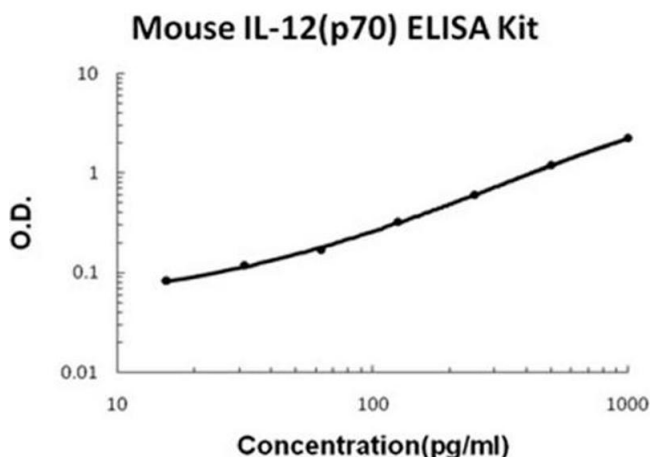
Application Details

Application Notes:	ELISA_Dilution: 15.6 pg/mL-1000 pg/mL Application_Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL mouse IL-12(P70) standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates or serum to each empty well. It is recommended that each mouse IL-12(P70) standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system for standard: SF21, Immunogen sequence: (M23-S419)+(R23-A215)
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiry Date:	12 months

Images



ELISA

Image 1. Mouse IL-12(p70) Accusignal ELISA Kit Mouse IL-12(p70) AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1.5pg/ml.