

Datasheet for ABIN6719915

IL-2 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	IL-2 (IL2)
Reactivity:	Human
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 ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Aldesleukin, IL 2, IL-2, IL2, IL2_HUMAN, Interleukin 2, Interleukin-2, Interleukin2, Involved in regulation of T cell clonal expansion, Lymphokine, T cell growth factor, T-cell growth factor, TCGF</p> <p>Background: Interleukin-2(IL2), formerly referred to as T-cell growth factor, is a powerfully immunoregulatory lymphokine that is produced by lectin- or antigen-activated T cells. It is produced not only by mature T lymphocytes on stimulation but also constitutively by certain T-cell lymphoma cell lines. The lymphokine interleukin-2(IL-2) is responsible for autocrine cell cycle progression and regulation of immune responses. IL-2 expression in mature thymocytes</p>

Product Details

and T cells has been found to be tightly controlled by monoallelic expression. IL-2 can act as a growth hormone for both B and T lymphocytes. The human gene for interleukin 2(IL2) is assigned to chromosome 4. Human IL-2 is a 15.5KDa glycoprotein, consisting of 153 amino acids in precursor form and 133 amino acids in mature form.

Gene Name: IL2

Production: Natural and recombinant human IL-2. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A21-T153

Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL-2 (IL2 Products)
Gene ID:	3558
NCBI Accession:	NP_000577
UniProt:	P60568
Pathways:	JAK-STAT Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Activated T Cell Proliferation

Application Details

Application Notes: 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 human IL-2 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 human cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. It is recommended that each human IL-2 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 15.6pg/mL-1000pg/mL

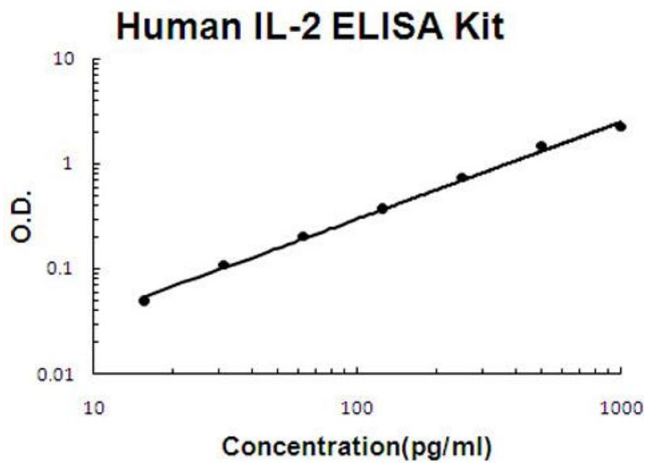
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT,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.

Images



ELISA

Image 1. Human IL-2 Accusignal ELISA Kit Human IL-2 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.