

Datasheet for ABIN6719941

IL-7 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	IL-7 (IL7)
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:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: IL 7, IL7 nirs variant 6, Interleukin 7, Interleukin8</p> <p>Background: Interleukin 7(IL7) is a protein that is encoded by the IL7 gene in humans. The gene for human interleukin 7(IL7) maps to chromosome 8 by Southern analysis of a somatic cell hybrid panel and to 8q12-q13 by in situ hybridization.1IL-7 is essential for survival and expansion of pathogenic T helper type 17(T(H)17) cells in experimental autoimmune encephalomyelitis(EAE).2</p> <p>Gene Name: IL7</p> <p>Production: Natural and recombinant mouse IL-7. There is no detectable cross-reactivity with</p>

Product Details

other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: E26-I154

Target Details

Target: IL-7 (IL7)

Alternative Name: IL-7 ([IL7 Products](#))

Gene ID: 16196

NCBI Accession: [NP_032397](#)

UniProt: [P10168](#)

Pathways: [JAK-STAT Signaling](#)

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 mouse IL-7 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, serum or plasma(EDTA) to each empty well. It is recommended that each mouse IL-7 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Sodium EDTA

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

Other Performance Data: DOE: 2-8° C - 02/15/19 -20° C - 08/15/19

Sample Volume: 100 µL

Plate: Pre-coated

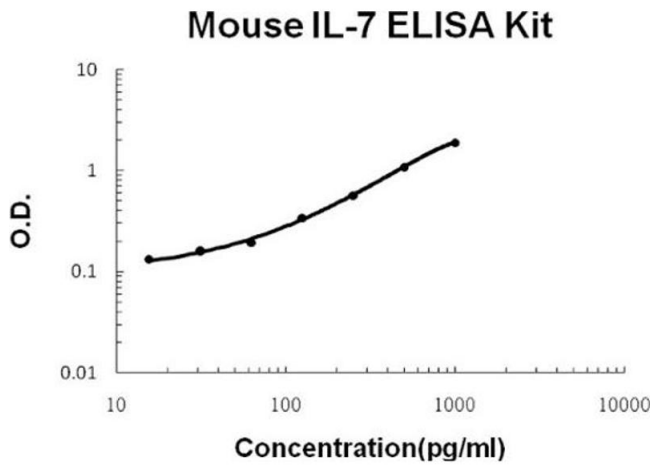
Restrictions: For Research Use only

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.



ELISA

Image 1. Mouse IL-7 Accusignal ELISA Kit Mouse IL-7 Accusignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.