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Datasheet for ABIN6719914

CD25 ELISA Kit

Overview

Quantity:	1 kit
Target:	CD25 (IL2RA)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	78 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD122, CD122 antigen, CD132, CD132 antigen, CD25, CD25 antigen, Cytokine receptor common gamma chain, Gamma C, High affinity IL 2 receptor subunit beta, IL 2 RA, IL 2 receptor, IL 2 receptor alpha subunit, IL 2R gamma chain, IL2 RA, IL2R IL2RA, IL2RB, IL2RG, IMD4, interleukin 2 receptor alpha, Interleukin 2 receptor alpha chain, interleukin 2 receptor beta, Interleukin 2 receptor beta chain, interleukin 2 receptor gamma, Interleukin 2 receptor gamma chain, TAC antigen</p> <p>Background: CD25 is the alpha chain of the IL-2 receptor. It is a type I transmembrane protein present on activated T cells, activated B cells, some thymocytes, myeloid precursors, and</p>

Product Details

oligodendrocytes that associates with CD122 to form a heterodimer that can act as a high-affinity receptor for IL-2. The IL2R gene was mapped to 10p15-p14. CD25 is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, and tumor infiltrating lymphocytes. Its soluble form, called sIL-2R may be elevated in these diseases and is occasionally used to track disease progression.

Gene Name: IL2RA

Production: Natural and recombinant human CD25. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: E22-C213

Target Details

Target:	CD25 (IL2RA)
Alternative Name:	CD25 - IL-2sR alpha (IL2RA Products)
Gene ID:	3559
NCBI Accession:	NP_000408
UniProt:	P01589
Pathways:	JAK-STAT Signaling , Growth Factor Binding , Activated T Cell Proliferation

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL, 78pg/mL human CD25 standard solutions into the pre-coated 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) to each empty well. We recommend that each human CD25 standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 78pg/mL-5000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
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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.
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