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Datasheet for ABIN6719890

CRLF2 ELISA Kit

Overview

Quantity:	1 kit
Target:	CRLF2
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CRL 2, CRL2, CRLF 2, CrIf2, CRLF2_HUMAN, CRLF2Y, Cytokine receptor CRL2 precursor, Cytokine receptor like 2, Cytokine receptor like factor 2, Cytokine receptor like factor 2 precursor, Cytokine receptor-like 2, Cytokine receptor-like factor 2, IL XR, IL-XR, ILXR, Thymic stromal derived lymphopoietin receptor, Thymic stromal lymphopoietin protein receptor, Thymic stromal lymphopoietin receptor, TSLP receptor, TSLPR</p> <p>Background: Cytokine receptor-like factor 2, also known as TSLPR or CRL2, is a protein that in humans is encoded by the CRLF2 gene. It is mapped to Xp22.33. The protein encoded by this</p>

Product Details

gene is a receptor for thymic stromal lymphopoietin(TSLP). Together with the interleukin 7 receptor(IL7R), the encoded protein and TSLP activate STAT3, STAT5, and JAK2 pathways, which control processes such as cell proliferation and development of the hematopoietic system. Two transcript variants encoding different isoforms have been found for this gene. In addition to it, it has been found that rearrangement of CRLF2 and JAK mutation together contribute to leukemogenesis in B-progenitor ALL.

Gene Name: CRLF2

Production: Natural and recombinant human CRLF2. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: G25-K231

Target Details

Target:	CRLF2
Alternative Name:	CRLF2 - TSLP R (CRLF2 Products)
Gene ID:	64109
NCBI Accession:	NP_001012288
UniProt:	Q9HC73

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human CRLF2 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) to each empty well. It is recommended that each human CRLF2 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10,000pg/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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