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## Datasheet for ABIN6719889

### CD5L ELISA Kit

#### Overview

Quantity:	1 kit
Target:	CD5L
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: AAC-11, AIM, API6, APOPTOSIS INHIBITOR 6, APOPTOSIS INHIBITOR OF MACROPHAGES, CD5 antigen like (scavenger receptor cysteine rich family), CD5 antigen-like, Cd5l, CD5L_HUMAN, CT 2, CT-2, Highly similar to ANTIGEN WC1.1 [Bos taurus], IgM associated peptide, IgM-associated peptide, Pdp, PRO229, SCAVENGER RECEPTOR CYSTEINE-RICH FAMILY, SP ALPHA, SP-alpha, Spalpha</p> <p>Background: CD5 antigen-like, also known as Sp alpha and AIM, is a protein that in humans is encoded by the CD5L gene. It is mapped to 1q21-q23 by fluorescence in situ hybridization. It is</p>

## Product Details

found that Aim expression is induced in mouse macrophages in response to loading with highly oxidized low density lipoprotein (oxLDL), and that Aim is expressed in foam cells within atherosclerotic lesions. Both the expression of Aim in lesions and its induction by oxLDL require Lxr /Rxr heterodimers. Aim-null macrophages are highly susceptible to oxLDL-induced apoptosis in vitro and undergo accelerated apoptosis in atherosclerotic lesions in vivo. Double knockout of Aim and Ldlr reduce atherosclerotic lesions. Therefore, it is concluded that AIM expression protects macrophages from apoptosis within atherosclerotic lesions, promoting early lesion development.

Gene Name: CD5L

Production: Natural and recombinant human CD5L. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S20-G347

## Target Details

Target: CD5L

Alternative Name: CD5L ([CD5L Products](#))

Gene ID: 922

NCBI Accession: [NP\\_005885](#)

UniProt: [O43866](#)

## Application Details

Application Notes: 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, 313pg/mL, 156pg/mL human CD5L 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 CD5L standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/mL

Other Performance Data: DOE: 2-8° C - 07/17/18 -20° C - 01/17/19

Sample Volume: 100 µL

Plate: Pre-coated

## Application Details

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Restrictions: For Research Use only

## Handling

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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.