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## Datasheet for ABIN6720325

### CD93 ELISA Kit

#### Overview

Quantity:	1 kit
Target:	CD93
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), Saliva, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric

**Characteristics:**

Synonyms: C1q receptor 1, C1q/MBL/SPA receptor, C1qR, C1qR(p), C1qr1, C1QR1\_HUMAN, C1qRp, CD93, CD93 antigen, CD93 Molecule, CDw93, Complement component 1 q subcomponent receptor 1, Complement component C1q receptor, dJ737E23.1, ECSM3, Matrix remodeling associated protein 4, Matrix remodelling associated 4, Matrix-remodeling-associated protein 4, MXRA4

Background: CD93 (Cluster of Differentiation 93) is a protein that in humans is encoded by the CD93 gene. CD93 belongs to the Group XIV C-Type lectin family and is mapped to 20p11.21. The protein encoded by this gene is a cell-surface glycoprotein and type I membrane protein

## Product Details

that was originally identified as a myeloid cell-specific marker. The encoded protein was once thought to be a receptor for C1q, but now is thought to instead be involved in intercellular adhesion and in the clearance of apoptotic cells. The intracellular cytoplasmic tail of this protein has been found to interact with moesin, a protein known to play a role in linking transmembrane proteins to the cytoskeleton and in the remodelling of the cytoskeleton. It has also showed that this receptor is a positive marker for all bone marrow-repopulating stem cells because it is expressed on both CD34-negative and CD34-positive stem cells from umbilical cord blood and adult bone marrow. In addition, highly purified lineage-negative cells with the CD93 protein not only have bone marrow-repopulating capacity but also can differentiate into human hepatocytes in vivo.

Gene Name: CD93

Production: Natural and recombinant human CD93. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A24-K580

## Target Details

Target:	CD93
Alternative Name:	CD93 - C1qR ( <a href="#">CD93 Products</a> )
Gene ID:	22918
NCBI Accession:	<a href="#">NP_036204</a>
UniProt:	<a href="#">Q9NPY3</a>

## 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 CD93 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, plasma( heparin, EDTA), saliva or urine to each empty well. We recommend that each human CD93 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

## Application Details

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Plate: Pre-coated

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Restrictions: For Research Use only

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## 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.