

Datasheet for KOA0792**Human CD93 - C1qR ELISA Kit****Overview**

Description:	Human CD93/C1qR AccuSignal ELISA Kit - KOA0792
Item No.:	KOA0792
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	78 pg/ml - 5000 pg/ml

Product Details

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 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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	78 pg/ml - 5000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CD93
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Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: A24-K580
Purity/Specificity:	Natural and recombinant human CD93. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q9NPY3 • NCBI - NP_036204.2 • GeneID - 22918 • KOA0792 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

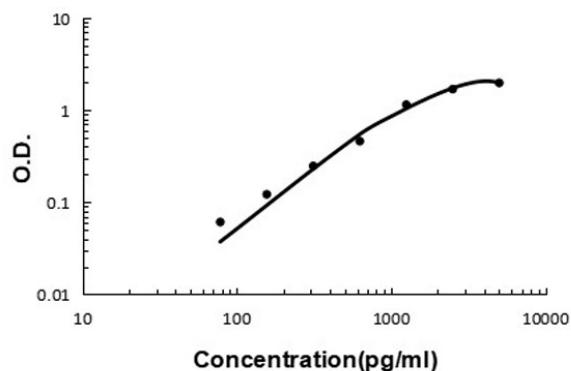
Anticoagulant:	Heparin Sodium
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Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images

Human CD93 ELISA Kit



ELISA

Human CD93/C1qR ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.