

Datasheet for KOA0773**Rat CD36 - SR-B3 ELISA Kit****Overview**

Description:	Rat CD36/SR-B3 AccuSignal ELISA Kit - KOA0773
Item No.:	KOA0773
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	218 pg/ml - 14,000 pg/ml

Product Details

Background:	CD36 (Cluster of Differentiation 36) is an integral membrane protein found on the surface of many cell types in vertebrate animals and is also known as FAT, SCARB3, GP88, glycoprotein IV (gpIV) and glycoprotein IIIb (gpIIIb). The human CD36 is a member of a gene family of structurally related glycoproteins and functions as a receptor for collagen type I and thrombospondin. The use of a CD36 genomic probe has allowed the localization of the CD36 locus to the 7q11.2 band by fluorescence in situ hybridization coupled with GTG-banding. CED-1/SCARF1 and C03F11.3/CD36 are beta-glucan binding receptors and define an evolutionarily conserved pathway for the innate sensing of fungal pathogens.
Synonyms:	CD36 antigen, CD36 antigen (collagen type I receptor thrombospondin receptor), CD36 molecule, CD36 molecule (thrombospondin receptor), CHDS7, Cluster determinant 36, FAT, Fatty acid translocase, Glycoprotein IIIb, GP3B, GP4, GPIIB, GPIV, Leukocyte differentiation antigen CD36, PAS 4 protein, PAS IV, PASIV, Platelet collagen receptor, Platelet glycoprotein 4, Platelet glycoprotein IV, SCARB3, Scavenger receptor class B member 3, Thrombospondin receptor
Detection Kit Type:	ELISA Kit
Detection Range:	218 pg/ml - 14,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CD36
Reactivity:	Rat

Immunogen:	Expression system for standard: CHO; Immunogen sequence: G30-K439
Purity/Specificity:	Natural and recombinant rat CD36. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q07969 • NCBI - NP_113749.2 • GeneID - 29184 • KOA0773 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 14,000pg/ml, 7,000pg/ml, 3500pg/ml, 1750pg/ml, 875pg/ml, 437pg/ml, 218pg/ml rat CD36 standard solutions into the precoated 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 rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat CD36 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

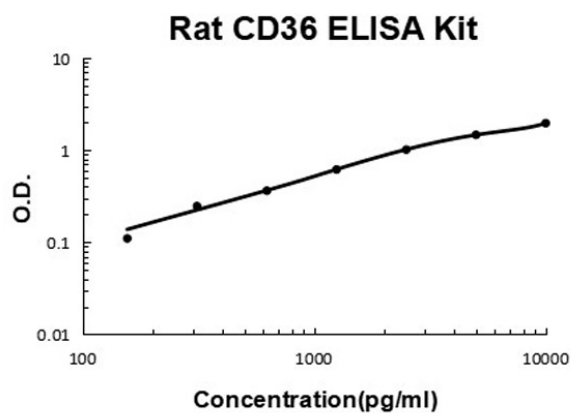
Formulation

Anticoagulant:	Heparin Sodium
-----------------------	----------------

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

**ELISA**

Rat CD36/SR-B3 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.