

Datasheet for KOA0625

Human ICAM-2 ELISA Kit**Overview**

Description:	Human ICAM-2 AccuSignal ELISA Kit - KOA0625
Item No.:	KOA0625
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	312 pg/ml - 20000 pg/ml

Product Details

Background: Intercellular adhesion molecule 2(ICAM2), also known as CD102(Cluster of Differentiation 102) is an integral membrane protein that has 2 immunoglobulin-like domains. This gene is mapped to 17q23.3. The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance.

Synonyms: Intercellular adhesion molecule 2, Ly60, CD102

Detection Kit Type: ELISA Kit

Detection Range: 312 pg/ml - 20000 pg/ml

Sensitivity: <10 pg/ml

Target Details

Gene Name: ICAM2

Reactivity: Human

Immunogen: Expression system for standard: NSO; Immunogen sequence: K25-Q223

Purity/Specificity: Natural and recombinant human ICAM-2. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	<ul style="list-style-type: none">• UniProtKB - P13598• NCBI - NP_000864.2• GeneID - 3384• KOA0625 Protocol
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Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 20000pg/ml, 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml human ICAM-2 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 human cell culture supernates, tissue homogenates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human ICAM-2 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.

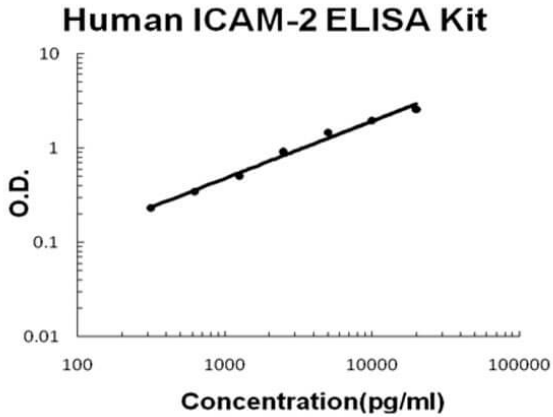
Formulation

Anticoagulant:	Heparin Sodium
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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

**ELISA**

Human ICAM-2 AccuSignal ELISA Kit standard curve. Assay Range: 312pg/ml-20000pg/ml. Sensitivity: <10pg/ml.

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.