

Datasheet for KOA0417**Human CD163 ELISA Kit****Overview**

Description:	Human CD163 AccuSignal ELISA Kit - KOA0417
Item No.:	KOA0417
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	1.56 ng/ml - 100 ng/ml

Product Details

Background:	CD163(Cluster of Differentiation 163) is a human protein encoded by the CD163 gene. It has also been shown to mark cells of monocyte/macrophage lineage. CD163, a member of the scavenger receptor cysteine-rich(SRCR) superfamily, is exclusively expressed by monocytes and macrophages. Using FISH, somatic cell hybrid analysis, and radiation hybrid analysis, CD163 gene was mapped to chromosome 12p13.3. CD163 is upregulated in a large range of diseases inflammatory diseases including type 2 diabetes, macrophage activation sickness, Tangier's disease, rheumatoid arthritis etc.
Synonyms:	CD_antigen=CD163, CD163, Hemoglobin scavenger receptor, M130, MM130, Scavenger receptor cysteine-rich type 1 protein M130
Detection Kit Type:	ELISA Kit
Detection Range:	1.56 ng/ml - 100 ng/ml
Sensitivity:	<150 pg/ml

Target Details

Gene Name:	CD163
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: G41-S1045
Purity/Specificity:	Natural and recombinant human CD163. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - Q86VB7](#)
- [NCBI - NP_004235.4](#)
- [GeneID - 9332](#)
- [KOA0417 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 100ng/ml , 50ng/ml, 25ng/ml , 12.5ng/ml , 6.25ng/ml , 3.13ng/ml , 1.56ng/ml human CD163 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 supernatants, serum or plasma(heparin) to each empty well. We recommend that each human CD163 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

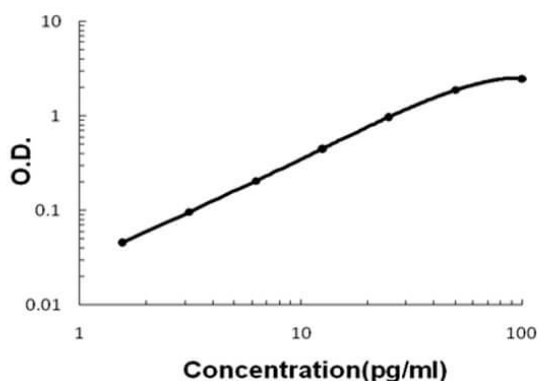
Anticoagulant:	Heparin Sodium
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Shipping & Handling

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 CD163 ELISA Kit



ELISA

Human CD163 AccuSignal ELISA Kit standard curve. Assay Range: 1.56ng/ml-100ng/ml. Sensitivity: <150pg/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.