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Datasheet for KOA0658

Mouse CD163 ELISA Kit

Overview

Description:	Mouse CD163 AccuSignal ELISA Kit - KOA0658
Item No.:	KOA0658
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	0.78 ng/ml - 50 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 the 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:	0.78 ng/ml - 50 ng/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	CD163
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: V39-T1045
Purity/Specificity:	Natural and recombinant mouse CD163. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- UniProtKB - Q2VLH6
- NCBI - NP_444324.2
- GeneID - 93671
- KOA0658 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml mouse 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 mouse cell culture supernates, serum, plasma(heparin) to each empty well. We recommend that each mouse 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.
ELISA:	0.78ng/ml-50ng/ml
Other:	DOE: 2-8° C - 12/10/2025 -20° C - 06/09/2026

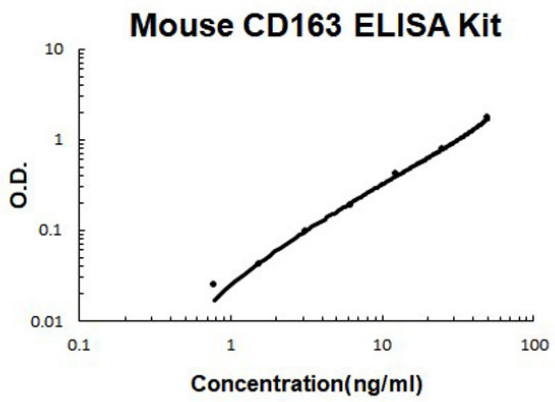
Formulation

Concentration:	1 Kit
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
Mouse CD163 ELISA Kit standard curve.

Disclaimer

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