

Datasheet for ABIN1889342 CD163 ELISA Kit

Image



#### Overview

1

Quantity:	96 tests
Target:	CD163
Binding Specificity:	AA 39-1045
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.78-50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

# Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse CD163
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Immunogen:	Expression system for standard: NSO Immunogen sequence: V39-T1045
Specificity:	Expression system for standard: NSO Immunogen sequence: V39-T1045
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

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### Product Details

Sensitivity:	<20pg/mL
Material not included:	Microplate reader in standard size. Automated plate washer. Adjustable pipettes and pipette
	tips. Multichannel pipettes are recommended in the condition of large amount of samples in the
	detection. Clean tubes and Eppendorf tubes. Washing buffer (neutral PBS or TBS). Preparation
	of 0.01M TBS: Add 1.2g Tris, 8.5g Nacl

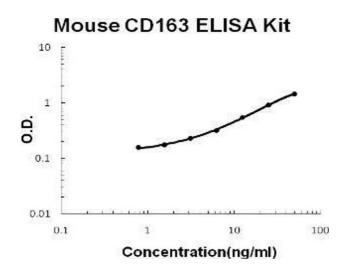
# Target Details

Target:	CD163
Alternative Name:	CD163 (CD163 Products)
Background:	Protein Function: Involved in clearance and endocytosis of hemoglobin/haptoglobin complexes
	by macrophages and may thereby protect tissues from free hemoglobin-mediated oxidative
	damage. May play a role in the uptake and recycling of iron, via endocytosis of
	hemoglobin/haptoglobin and subsequent breakdown of heme. Binds hemoglobin/haptoglobin
	complexes in a calcium- dependent and pH -dependent manner. Induces a cascade of
	intracellular signals that involves tyrosine kinase-dependent calcium mobilization, inositol
	triphosphate production and secretion of IL6 and CSF1 (By similarity)
	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, reumatoid arthritis etc.
	Synonyms: Scavenger receptor cysteine-rich type 1 protein M130,CD163,Soluble
	CD163,sCD163,Cd163,M130,
	Full Gene Name: Scavenger receptor cysteine-rich type 1 protein M130
	Cellular Localisation: Soluble CD163: Secreted.
Gene ID:	93671
UniProt:	Q2VLH6
Application Details	
Application Notes:	Before using Kit, spin tubes and bring down all components to bottom of tube. Duplicate well assay was recommended for both standard and sample testing.

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### ELISA

Image 1. Mouse CD163 PicoKine ELISA Kit standard curve

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