Datasheet for ABIN6720207

MBL2 ELISA Kit

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Overview

Quantity:	1 kit
Target:	MBL2
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	312 pg/mL - 20000 pg/mL
Minimum Detection Limit:	312 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: COLEC1, Collectin-1, Lectin mannose-binding soluble 2, Mannan binding lectin, Mannan binding protein, Mannose binding lectin 2 soluble, Mannose binding lectin 2 soluble, Mannose binding lectin, Mannose binding lectin protein C2 soluble opsonic defect, Mannose binding protein, Mannose binding protein C, Mannose binding protein C precursor, Mannose-binding lectin, MBL, MBL2_HUMAN, MBL2D, MBP 1, MBP, MBP1, MBPB, MBPC, MBPD, Opsonic defect, protein C, Soluble mannose binding lectin Background: MBL2, also called mannose-binding lectin (protein C) 2, soluble or Mannose-binding lectin (MBL) is a lectin that is instrumental in innate immunity. MBL2 is mapped to

Product Details

chromosome 10q11.2-q21. It belongs to the class of collectins in the C-type lectin superfamily, whose function appears to be pattern recognition in the first line of defense in the pre-immune host. MBL2 recognizes carbohydrate patterns, found on the surface of a large number of pathogenic micro-organisms, including bacteria, viruses, protozoa and fungi. Binding MBL2 to a micro-organism results in activation of the lectin pathway of the complement system. Another important function of MBL2 is that this molecule binds senescent and apoptotic cells and enhances engulfment of whole, intact apoptotic cells, as well as cell debris by phagocytes.
Gene Name: MBL2
Production: Natural and recombinant human MBP-C. There is no detectable cross-reactivity with other relevant proteins.
Standard: Expression system for standard: NSO, Immunogen sequence: E21-I248

Target Details

Target:	MBL2
Alternative Name:	MBP-C - MBL2 (MBL2 Products)
Gene ID:	4153
NCBI Accession:	NP_000233
UniProt:	P11226
Pathways:	Complement System, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 20000pg/mL, 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL human MBP-C standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human MBP-C standard solution and each sample be measured in duplicate. Blood Product Anticoagulant: Heparin Sodium ELISA Dilution: 312pg/mL-20000pg/mL
Sample Volume:	100 µL
Plate:	Pre-coated

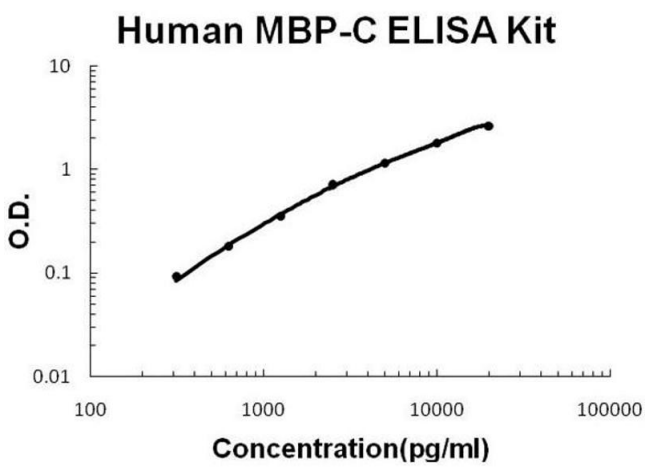
Application Details

Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	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.

Images



ELISA

Image 1. Human MBP-C/MBL2 Accusignal ELISA Kit Human MBP-C/MBL2 AccuSignal ELISA Kit standard curve. Assay Range: 312pg/ml-20000pg/ml. Sensitivity: <10pg/ml.