Best Tools for immunology Research

Human MBL ELISA Kit

Catalog No :	KE1235
Reactivity :	Human
Applications :	ELISA
Gene Name :	MBL2
Protein Name :	Mannose-binding protein C
Human Gene Id :	4153
Human Swiss Prot No :	P11226
Mouse Swiss Prot No :	P41317
Specificity :	Sample Type for Cell Culture Supernates, Cell lysates, Tissue Lysates, Serum, EDTA Plasma, Heparin Plasma
Storage Stability :	2-8°C/6 months
Detection Method :	Colorimetric
Background :	disease:Genetic variations in MBL2 are associated with susceptibility to hepatitis B virus infection (HBV infection) [MIM:610424]. Approximately one third of all cases of cirrhosis and half of all cases of hepatocellular carcinoma can be attributed to chronic HBV infection. HBV infection may result in subclinical or asymptomatic infection, acute self-limited hepatitis, or fulminant hepatitis requiring liver transplantation.,disease:There is an association between low levels of MBL2 and a defect of opsonization which results in susceptibility to frequent and chronic infections.,function:Binds mannose and N-acetylglucosamine in a calcium-dependent manner. Is capable of host defense against pathogens, by activating the classical complement pathway independently of the antibody.,online information:Mannose-binding protein,similarity:Contains 1 C-type lectin domain.,similarity:Contains 1 collagen-like domain.,subunit:Oligomeric complex of 6 set of homotrimers. Interacts with MASP1 and MASP2; the interaction is calcium-dependent.,
Function :	complement activation, lectin pathway, adaptive immune response, immune effector process, activation of immune response, leukocyte mediated

immunity, lymphocyte mediated immunity, humoral immune response mediated by circulating immunoglobulin, adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains, acute inflammatory response, activation of plasma proteins involved in acute inflammatory response, positive regulation of immune system process, proteolysis, ion transport, phosphate transport, anion transport, endocytosis, phagocytosis, defense response, acute-phase response, inflammatory response, immune response, complement activation, complement activation, classical pathway, humoral immune response, response to oxidative stress, opsonization, response to wounding, membrane invagination, inorganic anion transport, membrane

Subcellular Location : Secreted .

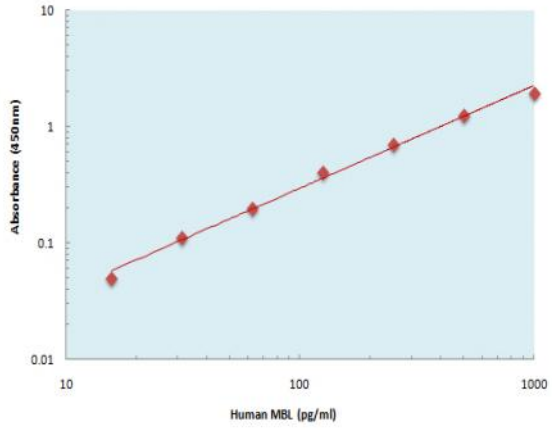
Expression : Plasma protein produced mainly in the liver.

Sort : 962

No4 : 1

Modifications : Unmodified

Products Images



The Human MBL ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human MBL proteins within the range of 16-1000 pg/ml.