ARG83711

arigoQIK® Human Mannan Binding Lectin ELISA Development Kit

Package: 1 kit(5 plates), 1 kit (15 plates)
Store at: 4°C, -20°C

Summary

Product Description	ARG83711 arigoQIK® Human Mannan Binding Lectin ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution. This ELISA Development Kit is designed for the development of sandwich ELISA to measure Human Mannan Binding Lectin in Serum, plasma and cell culture supernatants. For other reagents required for arigoQIK® ELISA Development Kit, please refer ARG83524 Integral Reagent Kit (ELISA Development Kit) More aboutarigoQIK® : ● Optimized capture and detection antibody pairs ● Reduced incubation time and wash cycles ● 2-hour quicker than conventional ELISA process ● 5- and 15-plate packages available
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Mannan Binding Lectin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.05 pg/mL
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.08-5 pg/mL
Sample Volume	50 µL
Alternate Names	MBL2; Mannose Binding Lectin 2; COLEC1; MBP-C; MBP1; MBP; MBL; Mannose-Binding Lectin (Protein C) 2, Soluble (Opsonic Defect); Mannose-Binding Protein C; Collectin-1; Mannose-Binding Lectin 2, Soluble (Opsonic Defect); Mannose-Binding Lectin (Protein C) 2, Soluble; Mannose-Binding Protein; Mannan-Binding Protein; Mannose-Binding Lectin; Mannan-Binding Lectin; Collectin 1; HSMBPC; MBL2D; MBPD

Properties

Storage instruction	Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MBL2
Gene Full Name	Mannose Binding Lectin 2
Background	This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes and binds to mannose and N-acetylglucosamine on many microorganisms, including bacteria, yeast, and viruses including influenza virus, HIV and SARS-CoV. This

	binding activates the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases. [provided by RefSeq, Jun 2020]
Function	Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA. Upon SARS coronavirus-2/SARS-CoV-2 infection, activates the complement lectin pathway which leads to the inhibition SARS-CoV-2 infection and a reduction of the induced inflammatory response. [Uniprot]