

ARG81746 Mouse Mannan Binding Lectin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81746-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81746-002	Standard	2 X 20 ng/vial	4°C
ARG81746-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81746-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81746-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81746-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81746-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81746-008	25X Wash buffer	20 ml	4°C
ARG81746-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81746-010	STOP solution	10 ml (Ready to use)	4°C
ARG81746-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81746 Mouse Mannan Binding Lectin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Mannan Binding Lectin in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Mannan Binding Lectin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	156 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	312 - 20000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4%; Inter-Assay CV: 6.6%
Alternate Names	MBL; Mannose-binding lectin; HSMBPC; Mannose-binding protein C; MBP1; COLEC1; MBL2D; MBP-C; Mannan-binding protein; Collectin-1; MBP; MBPD

Application Instructions

Assay Time	~ 5 hours
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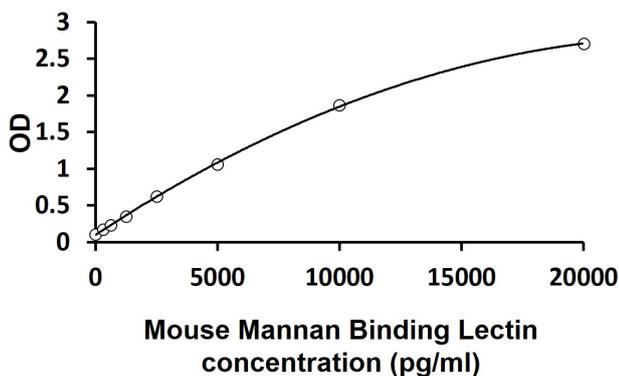
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. 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 (protein C) 2, soluble
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 mannose and N-acetylglucosamine on many microorganisms, and is capable of activating the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases. [provided by RefSeq, Jul 2008]
Function	Calcium-dependent lectin involved in innate immune defense. 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. [UniProt]
Highlight	Related products: Mannan Binding Lectin antibodies ; Mannan Binding Lectin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81746 Mouse Mannan Binding Lectin ELISA Kit standard curve image

ARG81746 Mouse Mannan Binding Lectin ELISA Kit results of a typical standard run with optical density reading at 450 nm.