

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MBL in ELISAs and Western blots. In sandwich ELISAs, less than 0.05% cross-reactivity with recombinant mouse (rm) MBL and rmMBL-2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MBL Glu21-Ile248 Accession # AAH96182
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

MBL belongs to the collectin family of innate immune defense proteins, which bind to an array of carbohydrate patterns on pathogen surfaces. MBL homotrimerizes to form a structural unit that further associates into oligomeric structures. Circulating MBL is complexed with three MBL-associated serine proteases (MASPs). Human MBL shares approximately 60% amino acid sequence identity with mouse MBL1 or MBL2.

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