

DESCRIPTION	
<b>Species Reactivity</b>	Human
<b>Specificity</b>	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.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human MBL Glu21-Ile248 Accession # AAH96182
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

**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.

	Recommended Concentration	Sample
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human MBL (Catalog # <a href="#">2307-MB</a> )
<b>Human MBL Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	0.2-0.8 µg/mL	Human MBL Antibody (Catalog # <a href="#">AF2307</a> )
<b>ELISA Detection</b>	0.1-0.4 µg/mL	Human MBL Biotinylated Antibody (Catalog # <a href="#">BAF2307</a> )
<b>Standard</b>		Recombinant Human MBL (Catalog # <a href="#">2307-MB</a> )

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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.

**References:**