

## MBL2/COLEC1 Protein, Mouse (HEK293)

<b>Cat. No.:</b>	HY-P70674
<b>Synonyms:</b>	Mannose binding lectin (C); isoform CRA_b; Mannose-binding protein C; Mbl2; MBL-2; Mannose Binding Lectin 2
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q3UEK1 (E19-D244)
<b>Gene ID:</b>	17195
<b>Molecular Weight:</b>	Approximately 28.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> E T L T E G V Q N S   C P V V T C S S P G   L N G F P G K D G R   D G A K G E K G E P G Q G L R G L Q G P   P G K V G P T G P P   G N P G L K G A V G   P K G D R G D R A E F D T S E I D S E I   A A L R S E L R A L   R N W V L F S L S E   K V G K K Y F V S S V K K M S L D R V K   A L C S E F Q G S V   A T P R N A E E N S   A I Q K V A K D I A Y L G I T D V R V E   G S F E D L T G N R   V R Y T N W N D G E   P N N T G D G E D C V V I L G N G K W N   D V P C S D S F L A   I C E F S D           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	C-type lectin domain-containing protein is a soluble mannose-binding protein in serum which belongs to the collectin family and is an important element in the innate immune system. C-type lectin domain-containing protein recognizes and binds to mannose and N-acetylglucosamine on many microorganisms, including bacteria, yeast, and viruses including influenza virus, HIV and SARS-CoV. The binding activates the classical complement pathway. C-type lectin domain-containing protein also has calcium-dependent protein binding activity and identical protein binding activity. Deficiencies of C-type lectin domain-containing protein may have association with susceptibility to autoimmune, infectious, liver and
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lung diseases<sup>[1][2]</sup>.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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