

## MGL2/CD301b Protein, Mouse (HEK293, His)

<b>Cat. No.:</b>	HY-P70874
<b>Synonyms:</b>	Mgl2; CD301b; Macrophage galactose N-acetyl-galactosamine-specific lectin 2; Macrophage Galactose-type C-lectin 2
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q8JZN1 (S72-P332)
<b>Gene ID:</b>	216864
<b>Molecular Weight:</b>	30-40 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           S Q N S Q L R R D L    G T L R A I L D N T    T S K I K A E F Q S    L D S R A D N F E K            G I S S L K V D V E    D H R Q E L Q A G R    D L S Q K V T S L E    S T L E K R E Q A L            K T D L S D L T D H    V Q Q L E T D L K A    L T C Q L A N L K N    N G S E V A C C P L            H W T E H E G S C Y    W F S E S E K S W P    E A D K Y C R L E N    S H L V V V N S L E            E Q N F L Q N R L A    N V L S W M G L T D    Q N G P W R W V D G    T D F D K G F K N W            R P L Q P D N W H G    H M L G G G E D C A    H F S Y D G R W N D    D V C Q R H Y H W I            C E T E L G K A S S    A H S P Q L I A S V    P         </p>
<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>	<p>Macrophage Gal/GalNAc lectin 2 (MGL2 or CD301) is a type II lectin commonly used as a marker for alternatively activated macrophages. MGL2 can bind to terminal GalNAc residues, including the Tn antigen (GalNAc-αThr/Ser). MGL2 is mainly expressed on immature, tolerogenic or type-2 DCs and alternatively-activated macrophages<sup>[1][2]</sup>. Besides, murine MGL2 interacts strongly to adenocarcinoma cells, indicating the role in tumor immunity<sup>[3]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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