

CL-L1/COLEC10 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76845
Synonyms:	Collectin-10; Collectin liver protein 1; CL-L1
Species:	Mouse
Source:	HEK293
Accession:	Q8CF98 (C119-K277)
Gene ID:	239447
Molecular Weight:	Approximately 53-57 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<p>C D C G R Y R K V V G Q L D I S V A R L K T S M K F I K N V I A G I R E T E E K</p> <p>F Y Y I V Q E E K N Y R E S L T H C R I R G G M L A M P K D E V V N T L I A D Y</p> <p>V A K S G F F R V F I G V N D L E R E G Q Y V F T D N T P L Q N Y S N W K E E E</p> <p>P S D P S G H E D C V E M L S S G R W N D T E C H L T M Y F V C E F V K K K K</p>
Biological Activity	Immobilized Recombinant Human Integrin alpha X beta 2 Protein Protein at 5 µg/mL (100 µL/well) can bind Biotinylated Mouse CL-L1 protein. The ED ₅₀ for this effect is 2.839 µg/mL, corresponding to a specific activity is 352.237 Unit/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>CL-L1 (COLEC10) is a lectin protein with a high binding affinity for various sugars, displaying specificity in the following order: galactose > mannose = fucose > N-acetylglucosamine > N-acetylgalactosamine. As a lectin, CL-L1 likely plays a role in sugar recognition and binding, and its diverse sugar specificity suggests potential involvement in various cellular processes. Notably, CL-L1 acts as a chemoattractant, implying a probable role in the regulation of cell migration. The ability of CL-L1 to attract cells suggests its participation in the modulation of cellular movements, possibly influencing processes such as</p>
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immune cell trafficking or tissue repair. The sugar-binding specificity and chemoattractant properties of CL-L1 highlight its potential significance in mediating interactions between cells and their microenvironment, emphasizing its role in cellular responses and migration regulation (adapted from the provided passage).

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

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