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

Cat. No.:	HY-P77340
Synonyms:	Collectin-10; Collectin liver protein 1; CL-L1; Collectin-34; CL-34
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_005564031 (G113-K277)
Gene ID:	102117541
Molecular Weight:	Approximately 56.3 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	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 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).

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