

Recombinant Human CLEC10A (C-6His)

Catalog #	EPT070
Expression Host	Human Cells
DESCRIPTION	Recombinant Human C-Type Lectin Domain Family 10
	Member A is produced by our Mammalian expression
	system and the target gene encoding Gln61-His316 is
	expressed with a 6His tag at the C-terminus.
Accession	Q8IUN9
Synonyms	C-Type Lectin Domain Family 10 Member A; C-Type
	Lectin Superfamily Member 14; Macrophage Lectin 2;
	CD301; CLEC10A; CLECSF13; CLECSF14; HML
Mol Mass	29.8 KDa
AP Mol Mass	40 KDa, reducing conditions
Purity	Greater than 90% as determined by reducing
	SDS-PAGE.
Endotoxin	Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL
	test.
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of 20mM
	PB, 150mM NaCl, pH 7.4.



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RECONSTITUTION Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. SHIPPING The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. Lyophilized protein should be stored at < -20 ° C, **STORAGE** though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at $< -20^{\circ}$ C for 3 months. BACKGROUND C-Type Lectin Domain Family 10 Member A (CLEC10A) is a type II transmembrane C-type lectin that is expressed on immature myleloid dendritic cells and alternatively activated (tolerogenic) macrophages. CLEC10A/MGL binds and internalizes molecules with terminal nonsialylated GalNAc carbohydrates such as



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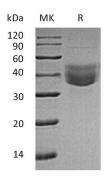
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the Tn carcinoma antigen. CLEC10A/MGL also binds the GP envelope glycoprotein on Marburg and Ebola viruses and enhances viral entry and infectivity. It constitute a unique class of C-type lectins because of their specificity for galactose and its structural homologues. CLEC10A is thought to participate in the recognition of molecules from both altered self and pathogens due to its monosaccharide specificity for Gal and N-acetylgalactosamine (GalNAc). Human and rat carry a single gene for CLEC10A/MGL, while mouse has two closely related MGL1 and MGL2 genes.







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