

## CLEC10A/CD301 Protein, Mouse (HEK293, Fc)

<b>Cat. No.:</b>	HY-P76265
<b>Synonyms:</b>	C-type lectin domain family 10 member A; CD301; CLEC10A; CLECSF13; CLECSF14; HML
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	NP_001191181.1 (Q58-S305)
<b>Gene ID:</b>	17312
<b>Molecular Weight:</b>	Approximately 58 kDa.

### PROPERTIES

<b>AA Sequence</b>	<p>           Q N S Q L R R D L G    T L R A T L D N T T    S K I K A E F Q S L    D S R A D S 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 V E K R E Q A L K            T D L S D L T D H V    Q Q L R K 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 V S W I G L T D Q    N G P W R W V D G T    D F E K G F K N W A            P L Q P D N W F G H    G L G G G E D C A H    I T T G G P W N D D    V C Q R T F R W I C            E M K L A K E S         </p>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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>           CLEC10A/CD301, a protein with predicted carbohydrate binding activity, plays a role upstream of connective tissue replacement involved in inflammatory response and wound healing. Anticipated to be located in the membrane and serve as an integral component of membrane structure, this protein is predicted to be active on the external side of the plasma membrane. Expression of CLEC10A is detected in various structures, including cartilage, dermis, embryo mesenchyme, metencephalon part of the 4th ventricle choroid plexus, and spinal cord marginal layer. The biased expression of CLEC10A in         </p>
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tissues such as mammary gland (RPKM 20.4) and bladder (RPKM 15.0) suggests its potential involvement in diverse physiological processes across different tissues.

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

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