

Product datasheet for **TA335669**

LECT1 (CNMD) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-LECT1 Antibody: synthetic peptide directed towards the N terminal of human LECT1. Synthetic peptide located within the following region: AIAVNDFFQNGITGIRFAGGEKCYIKAQVKARIPEVGAVTKQSISSEKLEGK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37 kDa
Gene Name:	leukocyte cell derived chemotaxin 1
Database Link:	NP_008946 Entrez Gene 11061 Human O75829



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Background:

LECT1 is a glycosylated transmembrane protein that is cleaved to form a mature, secreted protein. The mature protein promotes chondrocyte growth and inhibits angiogenesis. The mature protein likely plays a role in endochondral bone development by permitting cartilaginous anlagen to be vascularized and replaced by bone. It may be involved also in the broad control of tissue vascularization during development. This gene encodes a glycosylated transmembrane protein that is cleaved to form a mature, secreted protein. The N-terminus of the precursor protein shares characteristics with other surfactant proteins and is sometimes called chondrosurfactant protein although no biological activity has yet been defined for it. The C-terminus of the precursor protein contains a 25 kDa mature protein called leukocyte cell-derived chemotaxin-1 or chondromodulin-1. The mature protein promotes chondrocyte growth and inhibits angiogenesis. This gene is expressed in the avascular zone of prehypertrophic cartilage and its expression decreases during chondrocyte hypertrophy and vascular invasion. The mature protein likely plays a role in endochondral bone development by permitting cartilaginous anlagen to be vascularized and replaced by bone. It may be involved also in the broad control of tissue vascularization during development. Alternative splicing results in multiple transcript variants encoding different isoforms.

Synonyms:

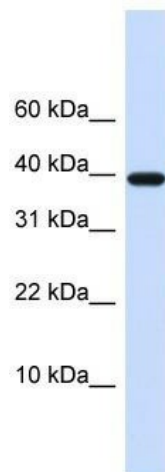
BRICD3; CHM-I; CHM1; MYETS1

Note:

Immunogen Sequence Homology: Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Pig: 93%; Guinea pig: 93%; Dog: 92%; Horse: 92%; Rabbit: 92%

Protein Families:

Secreted Protein, Transmembrane

Product images:

WB Suggested Anti-LECT1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: 721_B cell lysate. LECT1 is supported by BioGPS gene expression data to be expressed in 721_B