

COLEC11 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP6840a**Specification**

COLEC11 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9BWP8](#)**COLEC11 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 78989**Other Names**

Collectin-11, Collectin kidney protein 1, CL-K1, COLEC11

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6840a](/products/AP6840a) was selected from the N-term region of human COLEC11. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

COLEC11 Antibody (N-term) Blocking Peptide - Protein Information**Name** COLEC11**Function**

Lectin that plays a role in innate immunity, apoptosis and embryogenesis (PubMed:[23954398](http://www.uniprot.org/citations/23954398), PubMed:[25912189](http://www.uniprot.org/citations/25912189), PubMed:[21258343](http://www.uniprot.org/citations/21258343)). Calcium-dependent lectin that binds self and non-self glycoproteins presenting high mannose oligosaccharides with at least one terminal alpha-1,2-linked mannose epitope (PubMed:[25912189](http://www.uniprot.org/citations/25912189)). Primarily recognizes the terminal disaccharide of the glycan (PubMed:[25912189](http://www.uniprot.org/citations/25912189)). Also recognizes a subset of fucosylated glycans and lipopolysaccharides (PubMed:[17179669](http://www.uniprot.org/citations/17179669), PubMed:[25912189](http://www.uniprot.org/citations/25912189)). Plays a role

in innate immunity through its ability to bind non-self sugars presented by microorganisms and to activate the complement through the recruitment of MAPS1 (PubMed:20956340, PubMed:25912189). Also plays a role in apoptosis through its ability to bind in a calcium-independent manner the DNA present at the surface of apoptotic cells and to activate the complement in response to this binding (Probable). Finally, plays a role in development, probably serving as a guidance cue during the migration of neural crest cells and other cell types during embryogenesis (PubMed:21258343, PubMed:28301481).

Cellular Location

Secreted.

Tissue Location

Ubiquitous (PubMed:17179669). Detected in adrenal gland, kidney, liver, ovaries and testis (at protein level) (PubMed:20956340).

COLEC11 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

COLEC11 Antibody (N-term) Blocking Peptide - Images**COLEC11 Antibody (N-term) Blocking Peptide - Background**

COLEC11 is a member of the collectin family of C-type lectins, which contain a collagen-like domain and a carbohydrate recognition domain, and play a role in host-defense

COLEC11 Antibody (N-term) Blocking Peptide - References

Oguri,M., et.al., Am. J. Hypertens. (2009)