

FCN1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17029b**Specification**

FCN1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O00602](#)**FCN1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2219**Other Names**

Ficolin-1, Collagen/fibrinogen domain-containing protein 1, Ficolin-A, Ficolin-alpha, M-ficolin, FCN1, FCNM

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.

FCN1 Antibody (C-term) Blocking Peptide - Protein Information**Name** FCN1**Synonyms** FCNM**Function**

Extracellular lectin functioning as a pattern-recognition receptor in innate immunity. Binds the sugar moieties of pathogen-associated molecular patterns (PAMPs) displayed on microbes and activates the lectin pathway of the complement system. May also activate monocytes through a G protein-coupled receptor, FFAR2, inducing the secretion of interleukin-8/IL-8 (PubMed:21037097). Binds preferentially to 9-O-acetylated 2-6-linked sialic acid derivatives and to various glycans containing sialic acid engaged in a 2-3 linkage.

Cellular Location

Secreted. Cell membrane; Peripheral membrane protein; Extracellular side. Note=Found on the monocyte and granulocyte surface (PubMed:20400674)

Tissue Location

Peripheral blood leukocytes, monocytes and granulocytes. Also detected in spleen, lung, and thymus, may be due to the presence of tissue macrophages or trapped blood in these tissues Not

detected on lymphocytes.

FCN1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FCN1 Antibody (C-term) Blocking Peptide - Images

FCN1 Antibody (C-term) Blocking Peptide - Background

The ficolin family of proteins are characterized by the presence of a leader peptide, a short N-terminal segment, followed by a collagen-like region, and a C-terminal fibrinogen-like domain. The collagen-like and the fibrinogen-like domains are also found separately in other proteins such as complement protein C1q, C-type lectins known as collectins, and tenascins. However, all these proteins recognize different targets, and are functionally distinct. Ficolin 1 encoded by FCN1 is predominantly expressed in the peripheral blood leukocytes, and has been postulated to function as a plasma protein with elastin-binding activity.

FCN1 Antibody (C-term) Blocking Peptide - References

Honore, C., et al. J. Leukoc. Biol. 88(1):145-158(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Gout, E., et al. J. Biol. Chem. 285(9):6612-6622(2010) Wittenborn, T., et al. J. Innate Immun 2(2):167-180(2010) Tanio, M., et al. Mol. Immunol. 47 (2-3), 215-221 (2009) :