10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FCN1 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant FCN1.
Catalog # AT2029a

Product Information

Application	WB, E
Primary Accession	O00602
Other Accession	NM_002003
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2B7
Calculated MW	35078

Additional Information

Gene ID	2219
Other Names	Ficolin-1, Collagen/fibrinogen domain-containing protein 1, Ficolin-A, Ficolin-alpha, M-ficolin, FCN1, FCNM
Target/Specificity	FCN1 (NP_001994, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FCN1 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

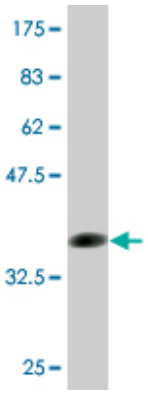
Background

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.

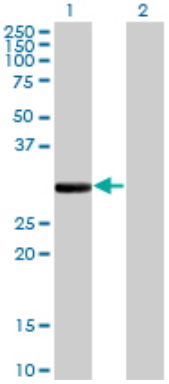
References

Tethering of Ficolin-1 to cell surfaces through recognition of sialic acid by the fibrinogen-like domain. Honor? C, et al. J Leukoc Biol, 2010 Jul. PMID 20400674.Characteristics and biological variations of M-ficolin, a pattern recognition molecule, in plasma. Wittenborn T, et al. J Innate Immun, 2010 Feb. PMID 20375634.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Carbohydrate recognition properties of human ficolins: glycan array screening reveals the sialic acid binding specificity of M-ficolin. Gout E, et al. J Biol Chem, 2010 Feb 26. PMID 20032467.Binding site of C-reactive protein on M-ficolin. Tanio M, et al. Mol Immunol, 2009 Dec. PMID 19853918.

Images

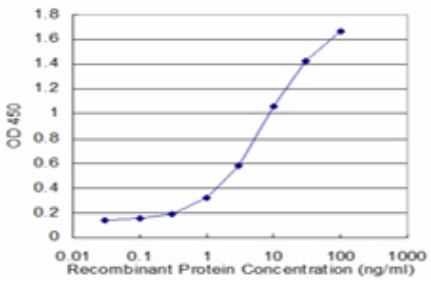


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of FCN1 expression in transfected 293T cell line by FCN1 monoclonal antibody (M06), clone 2B7.

Lane 1: FCN1 transfected lysate(35.1 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged FCN1 is approximately 0.3ng/ml as a capture antibody.