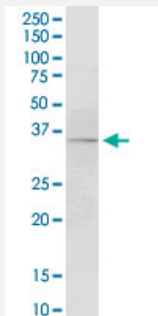


F3 monoclonal antibody (M01), clone 4G4

Catalog # H00002152-M01

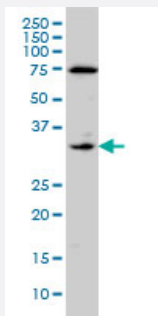
Size 100 ug

Applications



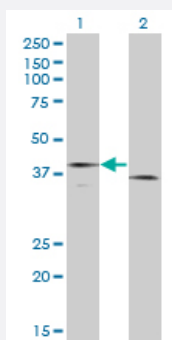
Western Blot (Cell lysate)

F3 monoclonal antibody (M01), clone 4G4. Western Blot analysis of F3 expression in Jurkat.



Western Blot (Cell lysate)

F3 monoclonal antibody (M01), clone 4G4 Western Blot analysis of F3 expression in A-431 (Cat # L015V1).

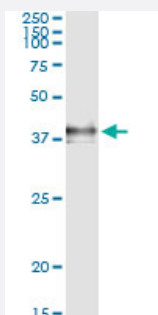


Western Blot (Transfected lysate)

Western Blot analysis of F3 expression in transfected 293T cell line by F3 monoclonal antibody (M01), clone 4G4.

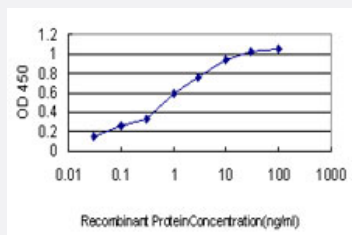
Lane 1: F3 transfected lysate(33.1 KDa).

Lane 2: Non-transfected lysate.



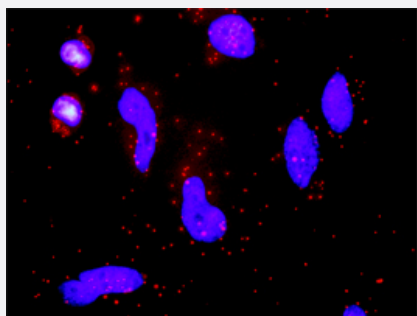
Immunoprecipitation

Immunoprecipitation of F3 transfected lysate using anti-F3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with F3 MaxPab rabbit polyclonal antibody.



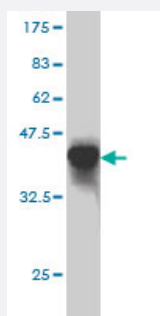
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged F3 is approximately 0.03ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between F7 and F3. HeLa cells were stained with anti-F7 rabbit purified polyclonal 1:1200 and anti-F3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant F3.
Immunogen	F3 (AAH11029, 45 a.a. ~ 154 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TWKSTNFKTILEWEPKPVNQVYTVQISTKSGDWKSKCFYTTDTECDLTDEMVDVKQTYLARVFSY PAGNVESTGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (61); Rat (59)
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

F3 monoclonal antibody (M01), clone 4G4. Western Blot analysis of F3 expression in Jurkat.

[Protocol Download](#)

- Western Blot (Cell lysate)

F3 monoclonal antibody (M01), clone 4G4 Western Blot analysis of F3 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of F3 expression in transfected 293T cell line by F3 monoclonal antibody (M01), clone 4G4.

Lane 1: F3 transfected lysate(33.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of F3 transfected lysate using anti-F3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with F3 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged F3 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between F7 and F3. HeLa cells were stained with anti-F7 rabbit purified polyclonal 1:1200 and anti-F3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — F3

Entrez GeneID [2152](#)

GeneBank Accession# [BC011029](#)

Protein Accession# [AAH11029](#)

Gene Name F3

Gene Alias CD142, TF, TFA

Gene Description coagulation factor III (thromboplastin, tissue factor)

Omim ID [134390](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed on cell surfaces. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. [provided by RefSeq]

Other Designations OTTHUMP00000012426|coagulation factor III|tissue factor

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)

- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Chorioamnionitis](#)
- [Coronary Thrombosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
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- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Renal Insufficiency](#)
- [Stroke](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Werner syndrome](#)