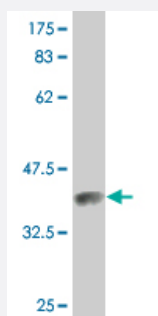


PROS1 monoclonal antibody (M01), clone 3D7

Catalog # H00005627-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PROS1.
Immunogen	PROS1 (NP_000304, 419 a.a. ~ 516 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GLLETKVYFAGFPRKVESELIKPINPRLDGCI RSWNL MKQGASGIKEIIQE KQNKHCLVTVEKGSYY PGSGIAQFHIDYNNVSSAEGWHVNVTLNIRP
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 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 (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PROS1

Entrez GeneID [5627](#)

GeneBank Accession# [NM_000313](#)

Protein Accession# [NP_000304](#)

Gene Name PROS1

Gene Alias PROS, PS21, PS22, PS23, PS24, PS25, PSA

Gene Description protein S (alpha)

Omim ID [176880](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a vitamin K-dependent plasma protein that functions as a cofactor for the anti coagulant protease, activated protein C (APC) to inhibit blood coagulation. It is found in plasma in both a free, functionally active form and also in an inactive form complexed with C4b-binding protein. Mutations in this gene result in autosomal dominant hereditary thrombophilia. An inactive pseudogene of this locus is located at an adjacent region on chromosome 3. [provided by RefSeq]

Other Designations protein S, alpha|protein Sa

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)

- [Chorioamnionitis](#)
- [Coronary Disease](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Protein S Deficiency](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Venous Thrombosis](#)