

Product datasheet for **AM31853PU-N**

Protein C (PROC) Mouse Monoclonal Antibody [Clone ID: CaC-11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CaC-11
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 3.9 ng/ml Western Blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human Protein C purified from the supernatant of thrombin activated platelets.
Specificity:	This antibody is specific for Human Protein C/APC in the presence of 5-10 mM CaCl ₂ .
Formulation:	PBS containing 0.02% Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein C, inactivator of coagulation factors Va and VIIIa
Database Link:	Entrez Gene 5624 Human P04070



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Background:	Protein C (PC) is a major physiological anticoagulant, and an important regulator of the blood coagulation system. PC is a vitamin K dependent serine protease enzyme that is activated by thrombin. The anticoagulant PC is converted to activated protein C (APC) by the thrombomodulin (TM) – thrombin complex on the phospholipid surface of endothelial cells, monocytes and platelets. APC degrades coagulation Factors Va and VIIIa rendering these factors inactive. APC provides physiologic antithrombotic activity and exhibits both anti-inflammatory and anti-apoptotic activity. Treatment with APC has been shown to improve the clinical outcome of patients with sepsis.
Synonyms:	Vitamin K-dependent protein C, Anticoagulant protein C, PROC1, Autoprothrombin IIA, Blood coagulation factor XIV
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Complement and coagulation cascades