

## Product datasheet for **AM09284PU-N**

### Protein C (PROC) Mouse Monoclonal Antibody [Clone ID: HLW-C]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HLW-C
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human Protein C derived from Human blood.
Specificity:	Human Protein C.
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. 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:	<a href="#">Entrez Gene 5624 Human P04070</a>



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<b>Background:</b>	<p>Protein C is a vitamin K dependent serine protease zymogen. Purified human activated protein C selectively destroys factors Va and VIII:C in human plasma and thus has an important anticoagulant role. Protein C deficiency has been associated with inherited thrombophilia. In its primary structure, protein C is similar to the prothrombin group of blood coagulation factors. It most closely resembles factor X.</p> <p>Protein C is synthesized as a single chain; this precursor molecule is cleaved into a light chain and a heavy chain held together by a disulfide bond. The enzyme is then activated by thrombin, which cleaves a tetradecapeptide from the amino end of the heavy chain.</p>
<b>Synonyms:</b>	Vitamin K-dependent protein C, Anticoagulant protein C, PROC1, Autoprothrombin IIA, Blood coagulation factor XIV
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Protein Pathways:</b>	Complement and coagulation cascades