



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Protein C [IgG1-7] Standard Size Ab03473-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** IgG1-7

**Alternative Name(s) of Target:** PROC; Vitamin K-dependent protein C; Anticoagulant protein C; Autoprothrombin IIA; Blood coagulation factor XIV; HPC-4; HPC4; Fab-7

**UniProt Accession Number of Target Protein:** P04070

**Published Application(s):** Blocking, Purification, ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated from the original mouse antibody HPC-4 by performing site directed mutagenesis, consensus and resurfacing methods.

**Specificity:** This antibody specifically recognizes and binds the ProC epitope tag comprising the amino acid sequence 'EDQVDPRLIDGK'. This antibody binds the zymogen form of human Protein C in the activation peptide (spanning the thrombin cleavage site) and blocks protein C activation by thrombin-thrombomodulin both in vitro and in vivo. It does not react with activated protein C.

**Application Notes:** This antibody is the humanized version of anti-Protein C antibody HPC-4. The binding of this antibody to protein C is calcium dependent. This humanized anti-protein C antibody exhibited calcium dependent binding which was significantly increased over that of the murine antibody HPC-4. The binding characterization of this antibody was performed using ELISA (PMID: 9680194). This antibody can be used to purify protein tagged with this 'EDQVDPRLIDGK' epitope.

**Antibody First Published in:** O'Connor et al. Humanization of an antibody against human protein C and calcium-dependence involving framework residues. Protein Eng. 1998 Apr;11(4):321-8. [PMID:9680194](#)

**Note on publication:** Describes the generation of humanized version of anti-Protein C antibody HPC-4.

### Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.