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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Protein C [IgG1-7] Standard Size Ab03473-1.1

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgG1, 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.