

Anti-Factor XII (human, heavy chain)

Mouse monoclonal antibody, biotinylated

Subclass: ND

PRODUCT NO.

CAM 011-05B

Clone: 10-11-5

SPECIFICITY CAM 011-05 binds the heavy chain of human factor XII, including factor XII derivatives such as α -factor XIIa and α -factor XIIa C1-inhibitor complexes.

IMMUNOGEN Affinity purified human factor XII

TESTED APPLICATIONS ELISA

SPECIES REACTIVITY (POSITIVE) Human

SPECIES REACTIVITY (NEGATIVE) Not determined

EPITOPESPECIFICITY The epitope is located on the heavy chain of human factor XII, and differs from that of CAM 011-37.

PRESENTATION

Content: 150 μ L, 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Preparation: Biotinylated

Form: Liquid

Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION **ELISA:** CAM 011-05B (approximately 2 μ g/mL) was used as a detection antibody when used in combination with CAM 011-37 as a capture antibody (1-4 μ g/mL) to measure Total factor XII, including factor XII derivatives such as α -factor XIIa and α -factor XIIa C1-inhibitor complexes.

TARGET Factor XII is a component in the coagulation cascade. It is a plasma glycoprotein that participates in the initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII to α -factor XIIa, which in turn activates factor XI to factor XIa.

REFERENCES 1. Madsen DE, Sidelmann J, Overgaard K, Koch C, Brodersen Gram J (2013) ELISA for determination of total coagulation factor XII concentration in human plasma. J Imm Meth 394:32-9.

CONDITIONS

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