

Anti-Factor XII (human, heavy chain)

Mouse monoclonal antibody

Subclass: IgG2a/k

Clone: 10-11-37

CAT. NO.

CAM 011-37

SPECIFICITY	CAM 011-37 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, WB
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	The epitope is on the heavy chain of human factor XII and differs from that of CAM 011-05.

PRESENTATION

Content:	Available in 400 μ L and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION	ELISA: CAM 011-37 was used in ELISA. CAM 011-37 as a capture antibody (1.6 μ g/mL) was used in combination with biotinylated CAM 011-05 (1 μ g/mL) to measure total factor XII, including factor XII derivatives such as α -factor XIIa and α -factor XIIa C1-inhibitor complexes (1). WB: CAM 011-37 was used in western blot to detect factor XII, α -factor XIIa C1-inh complexes and α -factor XIIa (1).
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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