

Anti-Factor XII (human, heavy chain)

CAT. NO. CAM 011-37

OVERVIEW

Product Name	Anti-Factor XII (human, heavy chain)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG2a/k	Clone	10-11-37
Tested Applications	ELISA, WB		

SPECIFICITY

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. Differs from CAM 011-05.		
Immunogen	Affinity purified human factor XII.	Gene ID	2161
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.		

Species Reactivity POSITIVE	Human	Species Reactivity NEGATIVE	Not determined
------------------------------------	-------	------------------------------------	----------------

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL \pm 15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

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)

SCIENTIFIC 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

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.