

Murine Anti-Factor XII

Clone GMA-145

Factor XII (FXII), also known as Hageman factor, is an activator of both coagulation and the kinin system. During contact activation, factor XII (Mr 80,000) is proteolytically cleaved at several sites, creating activated factor XIIa. Factor XIIa cleaves prekallikrein to kallikrein and factor XI to factor XIa. GMA-145 binds FXII in Western blot, and can be paired with GMA-140.

Description

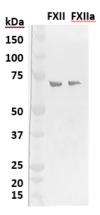
Antibody Source:	mouse monoclonal, IgG _{2b}
Antigen Species Bound:	human
Specificity:	factor XII
Immunogen:	human factor XII

Formulation and Storage

Purity:	Purified by protein G affinity chromatography from serum-free cell culture supernatant.
Product Formulation:	Lyophilized from a ≥ 1 mg/ml solution in 20 mM NaH ₂ PO ₄ 0.15 M NaCl, 1.0% (w/v) mannitol, pH 7.4. Concentration determined by absorbance measurement at 280 nm and using an extinction coefficient of 1.4 ($\varepsilon_{0.1\%}$).
Reconstitution:	Reconstitute with deionized water.
Storage:	Store lyophilized or reconstituted and aliquoted material at -20°C for prolonged periods. Avoid freeze-thaw cycles. Alternatively, add 0.02% (w/v) sodium azide to reconstituted solution and store at 4°C.
Country of Origin:	USA
Size Options:	0.1 mg or 0.5 mg

Applications	
Working Concentration:	Approximately 1-5 μg/ml. Researcher should titer antibody in specific assay.
ELISA:	Not recommended.
Immunoblotting:	Binds human FXII and FXIIa under non-reduced conditions.
Pairs with:	GMA-140

Western blot of non-reduced FXII/FXIIa, 1 μg/mL GMA-145



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