

Product Datasheet

Rabbit Human Factor XIII-A Antibody (orb21227)

Catalog Number	orb21227
Category	Antibodies
Description	Precipitating polyclonal rabbit antiserum to human coagulation Factor XIII-A. Plasma FXIII is an active transglutaminase until it is activated (FXIIIa). It consists of two A subunits joined as a dimer, connected to two B subunits (A₂B₂). Each A subunit has a molecular weight of 75,000 and each B subunit of 80,000, making an aggregate molecular weight of the whole molecule of 320,000. Normal plasma contains about 20mg/ml. Platelet FXIII consists of only A subunits synthesized in the megakaryocytes. It accounts for about 50% of the total blood FXIII activity with a linear relationship between FXIII level and platelet counts. Factor XIII-A reacts with both plasma and platelet FXIII. Antiserum raised against the B subunit (RAHu/FXIII-S) reacts exclusively with native and activated FXIIIa in plasma. FXIIIa results from activation of FXIII by thrombin after the release of fibrinopeptides A from fibrinogen. Highly purified FXIII-A is used for the immunization. Freund's complete adjuvant is used in the first step of the immunization procedure.
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Human
UniProt ID	P00488
RRID	AB_10749128
Tested applications	IP
Specificity	Precipitating polyclonal Rabbit antiSerum to Human coagulation factor XIII-A.

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Source

Plasma FXIII is an active transglutaminase until it is activated (FXIIIa). It consists of two A subunits joined as a dimer, connected to two B subunits (A₂B₂). Each A subunit has a molecular weight of 75,000 and each B subunit of 80,000, making an aggregate molecular weight of the whole molecule of 320,000. Normal plasma contains about 20mg/ml. Platelet FXIII consists of only A subunits synthesized in the megakaryocytes. It accounts for about 50% of the total blood FXIII activity with a linear relationship between FXIII level and platelet counts. This product reacts with both plasma and platelet FXIII. Antiserum raised against the B subunit reacts exclusively with native and activated FXIIIa in plasma. FXIIIa results from activation of FXIII by thrombin after the release of fibrinopeptides A from fibrinogen. Highly purified FXIII-A is used for the immunization. Freund's complete adjuvant is used in the first step of the immunization procedure.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

Expiration Date

12 months from date of receipt.

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