

Recombinant

DGRmAb®

Factor XIII (DGR20743) Rabbit mAb

db14246

Package : 10µL 20µL 50µL 100µL

Product Name : Factor XIII (DGR20743) Rabbit mAb**Cat.No.:** db14246**Synonyms :** FXIIIB**Application :** WB, IP**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

This gene encodes coagulation factor XIII B subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as a plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon activation by the cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot. Factor XIII deficiency is classified into two categories: type I deficiency, characterized by the lack of both the A and B subunits; and type II deficiency, characterized by the lack of the A subunit alone. These defects can result in a lifelong bleeding tendency, defective wound healing, and habitual abortion. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human Factor XIII

Gene ID

2165

Swiss Prot

P05160

Synonyms

FXIIIB

Reactivity

Human,Mouse,Rat

Application

WB, IP

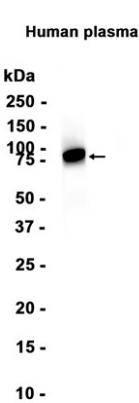
Recommended dilutionWB: 1:2000-1:20000
IP: 1:50-1:100**Calculated MW**

76 kDa

Observed MW

76 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR20743
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Human plasma tissue using db14246 at 1:1000.