

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Coagulation Factor V in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 986237
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human Coagulation Factor V synthetic peptide
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

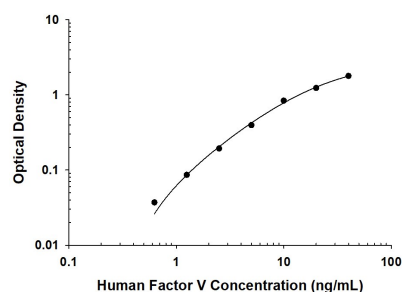
Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

ELISA This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Coagulation Factor V Monoclonal Antibody (Catalog # [MAB98563](#)).

This product is intended for assay development on various assay platforms requiring antibody pairs.

DATA

ELISA



Human Coagulation Factor V ELISA Standard Curve.
Recombinant Human Coagulation Factor V protein was serially diluted 2-fold and captured by Mouse Anti-Human Coagulation Factor V Monoclonal Antibody (Catalog # [MAB98563](#)) coated on a Clear Polystyrene Microplate (Catalog # [DY990](#)). Mouse Anti-Human Coagulation Factor V Monoclonal Antibody (Catalog # [MAB98562](#)) was biotinylated and incubated with the protein captured on the plate. Detection of the standard curve was achieved by incubating Streptavidin-HRP (Catalog # [DY998](#)) followed by Substrate Solution (Catalog # [DY999](#)) and stopping the enzymatic reaction with Stop Solution (Catalog # [DY994](#)).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Factor V (Coagulation Factor Five) is a 330kDa protein of the coagulation system encoded by the F5 gene. Unlike most other coagulation factors, Factor V is not enzymatically active but functions as a cofactor. Factor V is a central regulator of hemostasis. It serves as a critical cofactor for the pro-thrombinase activity of factor Xa that results in the activation of pro-thrombin to thrombin.