

bs-3514R**[Primary Antibody]****Bioss**
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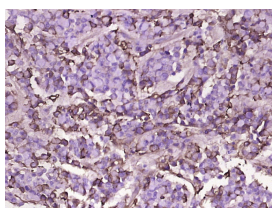
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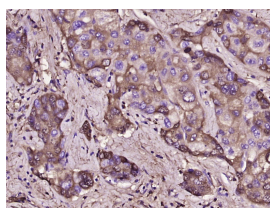
400-901-9800

D-DIMER Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 2243	SWISS: P02671	IF (1:100-500)
Target: D-DIMER		Reactivity: Human
Immunogen: homogenized human fibrin clot: Human homogenized fibrin clot..		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 340 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Secreted
Background: Fibrinogen is the main protein of blood coagulation system. It is a large protein and it consists of two identical subunits that contain three polypeptide chains: alpha, beta and gamma. All chains are connected with each other by a number of disulfide bonds. Fibrinopeptides A (1 to 16 amino acids) and B (1 to 17 amino acids) are released by thrombin from the N terminal parts of alpha and beta chains, respectively. In this way fibrinogen is converted into fibrin, which by means of polymerization forms a fibrin clot. Fibrinogen clotting underlies pathogenesis of MI, thromboembolism and thromboses of arteries and veins, since fibrin is the main substrate for thrombus formation. Fibrinogen activation is also involved in pathogenesis of inflammation, tumor growth and many other diseases. The normal fibrinogen concentration in plasma is about 3 mg/ml. The elevated level of fibrinogen in patient's blood is regarded as an independent risk factor for cardiovascular diseases. An increase in blood fibrinogen concentration was shown to be a strong predictor of coronary heart disease (Sonel A. et al, and Rapold H.J. et al). All these facts make fibrinogen an important parameter in the diagnosis of cardiovascular diseases.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (D-DIMER) Polyclonal Antibody, Unconjugated (bs-3514R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (D-DIMER) Polyclonal Antibody, Unconjugated (bs-3514R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=7.666]** Magdalena Kopytek. et al. PAI-1 Overexpression in Valvular Interstitial Cells Contributes to Hypofibrinolysis in Aortic Stenosis. CELLS-BASEL. 2023 Jan;12(10):1402 IF ;Human. 10.3390/cells12101402
- **[IF=4.2]** Xinxin Li. et al. A one-step process for multi-gradient wettability modification on a polymer surface. ANALYST. 2024 Feb;; Other ;. 38421308
- **[IF=3.9]** Jung-Wook Song. et al. High-Dose Tranexamic Acid Enhances Circulating Neutrophil Extracellular Traps and Thrombus in Thrombosis Mouse Model. BIOMEDICINES. 2025 Jun;13(6):1284 IHC ;Mouse. 40564002