

For Research Use Only

# Fibrinogen Beta Chain Monoclonal antibody, PBS Only



Catalog Number: 66186-1-PBS

## Basic Information

<b>Catalog Number:</b> 66186-1-PBS	<b>GenBank Accession Number:</b> BC107766	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 2244	<b>CloneNo.:</b> 1F8E4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P02675	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> fibrinogen beta chain	
<b>Immunogen Catalog Number:</b> AG10205	<b>Calculated MW:</b> 491 aa, 56 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Fibrinogen is a soluble plasma glycoprotein synthesized in the liver. It is composed of two sets of three structurally different subunits: alpha (FGA), beta (FGB), gamma (FGG). Fibrinogen is converted by thrombin into fibrin during blood coagulation. Fibrinogen and fibrin play overlapping roles in blood clotting, fibrinolysis, cellular and matrix interactions, the inflammatory response, wound healing, and neoplasia (PMID: 16102057). FGB is the beta chain of fibrinogen. During conversion of fibrinogen to fibrin, fibrinopeptide B is cleaved from FGB by thrombin. Mutations in the gene of FGB lead to several disorders, including afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

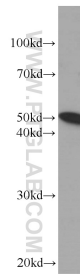
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## Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 66186-1-Ig (Fibrinogen beta chain antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66186-1-PBS in a different storage buffer formulation.