



Rabbit Anti-Rabbit SF Antibody

FOR RESEARCH USE ONLY.

PRODUCT INFORMATION

Catalog Number: Immunogen: Synthetic peptide-KLH
Size: 0.2ml (200ug/ml) Ig type: rabbit IgG
Storage: -20° C

BACKGROUND

Soluble fibrin (SF), composed of fibrin monomer(FM) and fibrinogen, is an indicator of thrombin activation in the blood. Thrombin cleaves fibrinopeptides A and B from the A α and B β chains of fibrinogen, respectively. These are called desAA-fibrin monomer (FM) and desAABB-FM, which polymerize with each other and form clots that cause blood coagulation. If the amount of desAA-FM or desAABB-FM that are required to form fibrin clots is not sufficient, these molecules circulate in the blood in the soluble state and are termed as "soluble fibrin (SF)." SF mainly consists of desAA-FM or desAABB-FM, which forms a complex with fibrinogen or its de-derivatives. It is a useful marker for diagnosing blood coagulation diseases such as disseminated intravascular coagulation (DIC).

SPECIFICITY

Anti-SF antibody is a rabbit polyclonal antibody raised against rabbit SF. This antibody has been selected for its ability to recognize rabbit SF in immunohistochemical staining and western blotting, non cross-reactive with other members of the family.

APPLICATION Western blotting: 1:100-400
Immunocytochemistry in formalin fixed cells: 1:100-500
Immunohistochemistry in formalin fixed frozen section: 1:100-500
Immunohistochemistry in paraffin section: 1:50-200
Optimal working dilutions must be determined by end user.

CONTENTS 0.1M PBS, 30%glycerol.

STORAGE Store at 4° C for frequent use. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

REFERENCE

1. Everse SJ, Spraggon G, Veerapandian L, Riley M, Doolittle RF (June 1998). "Crystal structure of fragment double-D from human fibrin with two different bound ligands". *Biochemistry* 37 (24): 8637-42.
2. Akiko Suzuki , Hiroyuki Ebinuma, Masanao Matsuo, Osamu Miyazaki, Hirokazu Yago. " The monoclonal antibody that recognizes an epitope in the C-terminal region of the fibrinogen α -chain reacts with soluble fibrin and fibrin monomer generated by thrombin but not with those formed as plasmin degradation products.". *Thrombosis Research* 121: 377-85.