10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-FIBRINOGEN (Human Plasma) (GOAT) Antibody Peroxidase Conjugated

Fibrinogen Antibody Peroxidase Conjugated
Catalog # ASR4012

Specification

Anti-FIBRINOGEN (Human Plasma) (GOAT) Antibody Peroxidase Conjugated - Product Information

Host	**Goat**
Conjugate	**Peroxidase (Horseradish)**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, IHC, E, I, LCI**
Application Note	**Anti-FIBRINOGEN Antibody (peroxidase conjugated) antibody has been tested by ELISA, dot blot, western blot, and immunohistochemistry. Concentrations should be optimized by researcher.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Fibrinogen [Human Plasma]**
Reconstitution Volume	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!**

Anti-FIBRINOGEN (Human Plasma) (GOAT) Antibody Peroxidase Conjugated - Additional Information

Gene ID 2243

Other Names
2243

Purity
Anti-FIBRINOGEN Antibody (Peroxidase Conjugated) is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum as well as purified and partially purified Fibrinogen [Human Plasma]. Cross reactivity against Fibrinogen from other sources is unknown.

Storage Condition
Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted

liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-FIBRINOGEN (Human Plasma) (GOAT) Antibody Peroxidase Conjugated - Protein Information

Name FGA

Function
Cleaved by the protease thrombin to yield monomers which, together with fibrinogen beta (FGB) and fibrinogen gamma (FGG), polymerize to form an insoluble fibrin matrix. Fibrin has a major function in hemostasis as one of the primary components of blood clots. In addition, functions during the early stages of wound repair to stabilize the lesion and guide cell migration during re-epithelialization. Was originally thought to be essential for platelet aggregation, based on in vitro studies using anticoagulated blood. However, subsequent studies have shown that it is not absolutely required for thrombus formation in vivo. Enhances expression of SELP in activated platelets via an ITGB3-dependent pathway. Maternal fibrinogen is essential for successful pregnancy. Fibrin deposition is also associated with infection, where it protects against IFNG-mediated hemorrhage. May also facilitate the immune response via both innate and T-cell mediated pathways.

Cellular Location
Secreted

Tissue Location
Detected in blood plasma (at protein level).

Anti-FIBRINOGEN (Human Plasma) (GOAT) Antibody Peroxidase Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FIBRINOGEN (Human Plasma) (GOAT) Antibody Peroxidase Conjugated - Images

Anti-FIBRINOGEN (Human Plasma) (GOAT) Antibody Peroxidase Conjugated - Background

Peroxidase Conjugated Anti-FIBRINOGEN Antibody is specific of fibrinogen protein. Fibrinogen is a soluble plasma glycoprotein synthesized by the liver that is converted by thrombin into fibrin during blood coagulation. Fibrin specifically binds the activated coagulation factors factor Xa and thrombin and entraps them in the network of fibers, thus functioning as a temporary inhibitor of these enzymes, which stay active and can be released during fibrinolysis. Recent research has shown that fibrin plays a key role in the inflammatory response and development of rheumatoid arthritis. Anti-FIBRINOGEN Antibody is suitable for immunology and cardiovascular research.