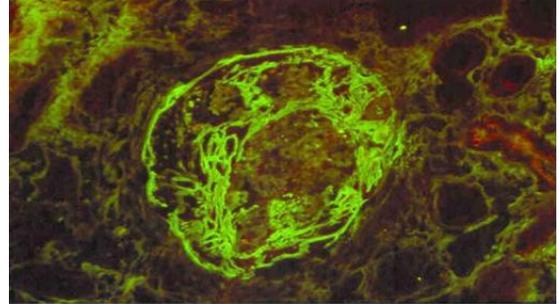


Fibrinogen\FITC

Catalog No.	Format	Dilution	Volume
G-3004-3	Prediluted	Ready-to-use	3.0 mL
G-3004-7	Prediluted	Ready-to-use	7.0 mL
G-3004-15	Prediluted	Ready-to-use	15.0 mL
G-3004-05	Concentrated	1:25–1:100	0.5 mL
G-3004-1	Concentrated	1:25–1:100	1.0 mL



Inset: IF of Fibrinogen on a Frozen Chronic Kidney Disease Tissue

Intended Use

This product is specifically designed for immunohistochemical staining on:

- Formalin-fixed paraffin-embedded (FFPE) tissues.
- Frozen tissue sections
- Cell preparations

All test result interpretations must be performed by a qualified medical professional.

Target Antigen

A synthetic peptide corresponding to the N-terminal region of human FGA, conjugated to KLH.

Product Overview

Fibrinogen (factor I) is a blood plasma glycoprotein essential for clot formation. Upon injury, thrombin converts fibrinogen to fibrin, aiding in blood clot development. Fibrin also plays roles in:

- Platelet and endothelial cell adhesion
- Fibroblast activity
- Capillary tube formation
- Wound healing and angiogenesis

Alterations in fibrinogen levels or structure (due to disorders like afibrinogenemia, CKD, or amyloidosis) can lead to abnormal bleeding, thrombosis, or fibrinogen deposits in tissues.

Product Features

- **Antibody Type:** Rabbit Polyclonal Antibody
- **Isotype:** IgG
- **Label:** FITC (fluorescein isothiocyanate)
- **Reactivity:** Human tissue, both FFPE and frozen



- **Localization:** Cytoplasmic
- **Positive Control Tissues:** Breast, testis, kidney, pancreas, salivary gland, skin, fallopian tube
- **Applications:** Detection of immune rejection and autoimmune conditions

Storage Instructions: Antibody: 2–8°C; Avoid temperature fluctuations and prolonged room temperature exposure.

Specimen Preparation

FFPE Tissues:

Fix tissue in formalin and embed in paraffin. Use Genebio antigen retrieval with Genebio reagents (Citrate or EDTA). Recommended mounting on positively charged slides.

Frozen Sections:

Fix with 100% acetone.

Air dry before and after fixation.

Immunofluorescence Protocol

Preparation for Frozen Tissues IF Procedure:

Rinse slides in IF buffer (5 min).

Incubate with antibody (30–60 min in the dark).

Wash in buffer 3 times (15 min each).

Mount using FluoroMounter (with or without DAPI).

Mounting Instructions:

Apply 1–3 drops of mounting medium, incubate for 3–5 min, and coverslip.

Store stained slides at 2–8°C in the dark.

Precautions

- For trained professionals only.
- Contains <0.1% sodium azide—handle with appropriate safety precautions.
- Always wear PPE.
- Refer to the Safety Data Sheet and CDC guidelines for biological specimen handling.

Limitations

Due to variable conditions in IHC protocols (e.g., tissue fixation, antibody dilution), each lab should optimize their method using control samples. Only qualified professionals should evaluate results.

