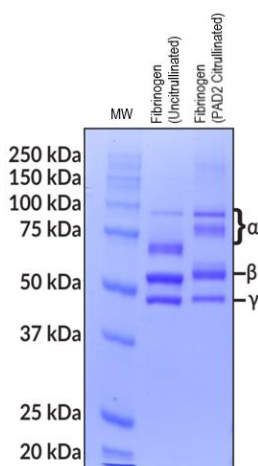


Human Fibrinogen (PAD2 Citrullinated) 03/21

CATALOG NO:	P1718-50 50 µg P1718-100 100 µg
ALTERNATE NAMES:	Fib2; FGA; HEL-S-78p; FGB; FGG
MOL. WT.	Three fibrinogen proteins: α - 2 isoforms at 95 kDa and 69.8 kDa; β - 55.9 kDa; γ - 51.5 kDa
NCBI GENE ID:	α - 2243; β - 2244; γ - 2266
ACCESSION NO.:	α - P02671; β - P02675; γ - P02679
PURITY:	≥ 95% by SDS-PAGE
SOURCE:	Human plasma
FORM:	Liquid protein
FORMULATION:	In 50 mM Tris-HCl, pH 7.4, 150 mM sodium chloride
STORAGE CONDITIONS:	Upon receipt, divide into smaller aliquots and store at -80 °C. Prior to re-use, to avoid clotting, thaw aliquot slowly on ice. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	Fibrinogen is a glycoprotein complex composed of three different polypeptides (α , β , γ) that is cleaved by thrombin to form an insoluble fibrin matrix that acts as a plasma clotting factor. Cleavage products of fibrinogen and fibrin regulate cell adhesion and activate chemotaxis. Chronic inflammation can induce protein arginine deiminases (such as PAD2 and PAD4) to citrullinate fibrinogen, which has been associated with auto-antibodies in rheumatoid arthritis.
INFECTIOUS DISEASE TESTING:	Purified from human plasma that tested negative for HBsAg and for antibodies to HIV and HCV; citrullinated with human recombinant PAD2



5 µg of native human fibrinogen was loaded on SDS-PAGE under reducing conditions and visualized by Coomassie blue stain. The uncitrullinated fibrinogen is compared to the fibrinogen that was citrullinated by human recombinant PAD2 enzyme.

RELATED PRODUCTS:

Arginine Deiminase (ADI), Pseudomonas Aeruginosa Recombinant (Cat. No. P1411)
 YW3-56 (Hydrochloride) (Cat. No. B2858)
 Mycoplasma Arginine Deiminase (ADI), Recombinant Protein (Cat. No. P1278)
 PAD2 Polyclonal Antibody (Cat. No. A2312P)
 PAD4 Polyclonal Antibody (Cat. No. A2314P)

FOR RESEARCH USE ONLY! Not to be used on humans.