

Catalog No. LF-MA0107

MONOCLONAL ANTIBODY



Anti-Antithrombin III(8C12)

Background : Antithrombin III is a plasma protein synthesized in the liver and has molecular weight of 58kDa. Antithrombin III is a heparin-binding glycoprotein that acts as the major inhibitor of thrombin. Also it interferes with several plasma proteases, including kallikrein and factors IXa, Xa, XIa and XIIa, thereby playing a central role in regulating coagulation. It is also used as a therapeutic agent in patients with sepsis and disseminated intravascular coagulation. In addition, a number of recent studies have shown that antithrombin III has anti-inflammatory properties, which are independent of its effects on coagulation.

Immunogen : Antithrombin III protein purified from human plasma

Host : Mouse

Isotype : IgG1, k

Clone number : 8C12

Composition : PBS containing 50% glycerol

Positive control : human plasma

Storage : Store for 1 year at -20°C from date of shipment

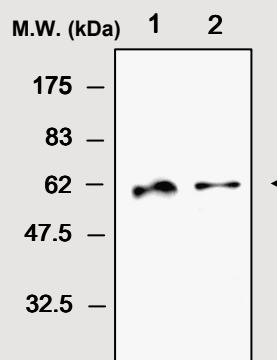
Size : 100 µl

Species cross reactivity

Human
+

Mouse
NT

Rat
NT



IMMUNOBLOT ANALYSIS of human plasma protein :
Lane 1: Antithrombin III isolated from human plasma
Lane 2: Human plasma

Applications :

ELISA

WesternBlotting(1:1000)

Background Reference :

(1) Hajime Saito, et. al (2005) *Journal of Leukocyte biology* **78**, 777-784

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NOT FOR DIAGNOSTIC OR THERAPEUTIC USE