

Monoclonal antibodies against human FSAP (Factor VII-activating protease)

Product Nos. ADG4601 and ADG4602

Description

Factor VII-activating protease (FSAP) is a serin-protease present in human plasma as a single-chain proenzyme (64 kDa) at a concentration of 12 µg/ml. The proenzyme can be activated by an autocatalytic mechanism or by urokinase generating the active two-chain form (40 and 30 kDa).

FSAP has the ability to activate both coagulation factor VII independent of tissue factor and pro-urokinase. Thus, FSAP has a dual function as a potent pro-coagulant and a pro-fibrinolytic agent.

Preparation

The monoclonal antibodies ADG4601 and ADG4602 are directed against the light chain of human FSAP.

The antibodies are murine IgG₁ monoclonal antibodies purified from cell culture supernatants via Protein G affinity chromatography. Purified human two-chain human Factor VII-activating protease was used as the immunizing agent.

Presentation

Screw capped vial containing 100 µg of purified antibody in 50 mM TBS pH 7.4 + 0.01 NaN₃. The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store the antibody at 2°-8°C. For long-term storage the antibody should be aliquoted and stored at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

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Reactivity and Known Applications

Product No.	ADG4601	ADG4602
Clone No.	1102/677	1102/570
Isotype	IgG ₁	IgG ₁
Epitope	Light-chain	Light-chain
Applications	ELISA, WB, IHC	ELISA, IP, Inhibitory

References

1. Tests for the measurement of factor VII-activating protease (FSAP) activity and antigen levels in citrated plasma, their correlation to PCR testing, and utility for the detection of the Marburg I-polymorphism of FSAP. Stephan S et al., Clin Chem Lab Med. 2008;46(8):1109-1116.
2. Factor VII-activating protease (FSAP): vascular functions and role in atherosclerosis. Kanse SM et al., Thromb Haemost. 2008 Feb;99(2):286-289.
3. Factor Seven Activating Protease (FSAP) expression in human monocytes and accumulation in unstable coronary atherosclerotic plaques. Parahuleva MS et al., Atherosclerosis. 2008 Jan;196(1):164-171.
4. Factor VII activating protease (FSAP): a novel protease in hemostasis. Romisch J. Biol Chem. 2002 Jul-Aug;383(7-8):1119-1124.
5. Factor VII and single-chain plasminogen activator-activating protease: activation and autoactivation of the proenzyme. Kannemeier C et al., J. Eur J Biochem. 2001 Jul;268(13):3789-96.
6. Raised protein levels and altered cellular expression of factor VII activating protease (FSAP) in the lungs of patients with acute respiratory distress syndrome (ARDS). Wygrecka M et al., Thorax. 2007 Oct; 62(10):880-888.

Hinweis/Note:

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 The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

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