

## 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 IgG<sub>1</sub> 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 NaN<sub>3</sub>. 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.

### Distributed by:

**LOXO** GMBH

IMMUNOLOGIE • MOLEKULARBIOLOGIE  
BIOCHEMIE • PRODUKTE UND SYSTEME

69215 Dossenheim, Postfach 1130

Tel.: +49 6221 868023

Fax: +49 6221 8680255

E-Mail: info@loxo.de

Internet: www.loxo.de

### Reactivity and Known Applications

<b>Product No.</b>	ADG4601	ADG4602
<b>Clone No.</b>	1102/677	1102/570
<b>Isotype</b>	IgG <sub>1</sub>	IgG <sub>1</sub>
<b>Epitope</b>	Light-chain	Light-chain
<b>Applications</b>	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:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.  
The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

For research use only!

ADG4601+ADG4602©ADG07052019