

Monoclonal antibody against human alpha-1 proteinase inhibitor

Product No. ADG0035L

Description

alpha-1 proteinase inhibitor (A1PI) is a serine protease inhibitor (serpin) inhibiting a wide variety of proteases. It is a 52 kDa glycoprotein also known as alpha1-antitrypsin (A1AT) or serum trypsin inhibitor. It protects tissues from enzymes of inflammatory cells, especially elastase. It is present in human blood, the concentration can rise manyfolds upon acute inflammation.

Preparation

The monoclonal antibody ADG0035L (clone HD-AT 3) is a murine monoclonal antibody, subclass IgG_{2a} recognizing the human α 1-antitrypsin. Mice were immunized with purified native human α 1-antitrypsin. The antibody has been purified from cell culture supernatant using Protein G affinity chromatography.

Presentation

Screw capped vial containing 1 mg of purified antibody in PBS pH 7.4. The IgG concentration is given on the vial label. 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.

Applications

- ELISA
- Western-Blot

Reference

Measurement of free human leukocyte elastase and human leukocyte elastase/alpha 1 proteinase inhibitor complexes by an enzyme-linked immunosorbent assay. Kramer MD, Müller-Bardorff M, Simon MM, Tilgen W, Schickel E, Petzoldt D. J Immunol Methods. 1990 Jul 20;131(1):41-8

Distributed by:



IMMUNOLOGIE • MOLEKULARBIOLOGIE
BIOCHEMIE • PRODUKTE UND SYSTEME

Gerhart-Hauptmann-Str. 48
69221 Dossenheim

Tel +49 6221 868023

Fax +49 6221 8680255

www.loxo.de - info@loxo.de

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!

ADG0035L©02092022