

Monoclonal antibody against human PMN-Elastase

Product No. ADG0029

Description

PMN elastase is localized in the azurophilic granules of the polymorphonuclear granulocytes. During phagocytosis of foreign substances these enzymes are also partially excreted into the extracellular surrounding, where the activity of PMN elastase is regulated by inhibitors (esp. the alpha 1-proteinase inhibitor, alpha 1- PI). An overwhelming release of PMN elastase, however, can exceed the inhibitory potential of the a1-proteinase inhibitor. Thus, enzymatically active PMN elastase, together with simultaneously produced oxidants (O₂-radicals, H₂O₂, OH-radicals), can cause local tissue injury.

Polymorphonuclear elastase (PMN-Elastase) is used as an important marker for inflammatory diseases.

Properties

The monoclonal antibody ADG0029 (clone HD-ELA 10.2) is a murine monoclonal antibody, subclass IgG₁. The antibody has been purified from cell culture supernatant using Protein G affinity chromatography.

Presentation

Vial containing 250 µg purified antibody in PBS pH 7.4. The 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

Immunohistology (frozen sections)

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