

Monoclonal antibody against human PAI-1

Product No. ADG3786

Description

The monoclonal antibody ADG3786 (clone HD-PAI-1 14.1) is a murine monoclonal antibody, subclass IgG₁ recognizing the human Plasminogen Activator Inhibitor Type 1 (PAI-1). Mice were immunized with purified recombinant PAI-1, expressed in a prokaryotic expression system. The antibody has been purified from cell culture supernatant using Protein A affinity chromatography. The antibody reacts with both native and recombinant PAI-1

Presentation

Screw capped vial containing 250 µg of purified antibody in PBS pH 7.4 + 0.01% ProClin300. 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.

Warnings and Precautions

Contains: Mixture of: 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1) and Modified alkyl carboxylate (ProClin ® 300)

Hazard pictograms



Warning

Signal word

Hazard statements

H317 - May cause an allergic skin reaction.

Precautionary statements

P280 - Wear protective gloves.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P501 - Dispose of contents/container in accordance with local/regional/ national/international regulations.

Specificity

The antibody recognizes both active and inactive forms of PAI-1, and in addition it recognizes PAI-1 complexed with urokinase, tissue-type plasminogen activators, or vitronectin. (1, 2.)

The antibody is specific for human PAI-1, no cross-reactivity was observed against other members of the plasminogen activator system (PAI-2, uPA, or tPA).

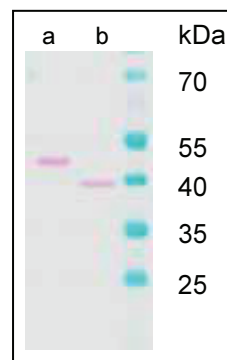
Applications

ELISA

The antibody can be used as capture or detection antibody in ELISAs. (1, 2)

Western Blot

The antibody is suitable for immuno-blotting. It recognizes native (a) and recombinant (b) human PAI-1.



Immunohistochemistry

The antibody can be used for immunohistological staining of formalin-fixed, paraffin-embedded tissue sections.

References

1. Plasminogen activator inhibitor-1 and prognosis in primary breast cancer. Foekens JA et al., J Clin Oncol. 1994 Aug;12(8):1648-58.
2. Enzyme-linked immunosorbent assay for plasminogen activator inhibitor-I (PAI-1), Kramer MD, et al., in Schmitt M, Graeff H, Kindermann G (eds): Prospects in Diagnosis and Treatment of Breast Cancer. Excerpta Medica International Congress Series. New York, NY, Elsevier, 1994, pp 187-196.

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