Monoclonal antibody against human uPA
Product No. ADG3471

Description
The monoclonal antibody ADG3471 (clone HD-UK2, subclass IgG1) is a murine monoclonal antibody recognizing human urokinase type plasminogen activator (uPA). The antibody has been purified from cell culture supernatant using Protein G affinity chromatography.

Properties
ADG3471 is directed against an epitope within the growth factor domain of human urokinase, amino acid sequence number 17-34. No. 3471 reacts with intact ATF, uPA A-chains, HMW-uPA and pro-uPA.

Presentation
Screw capped vial containing 250 µg of purified antibody in PBS pH 7.4, 0.01 % ProClin 300. 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.

Applications
A. Flow Cytometry
The antibody has been used in flow cytometric analysis of the uPA receptor (uPAR). The antibody completely inhibits the binding of FITC conjugated pro-uPA to uPAR. It can be considered as a soluble uPAR analogue. \(^{(1,2)}\)

B. Western blot
The antibody identifies pro-uPA after electrophoresis under both reducing and nonreducing conditions. HMW-uPA will be recognized under non-reducing conditions. A-chain fragments and ATF's are identified under both reducing and non-reducing conditions. \(^{(3, 4)}\)

C. Inhibition
The antibody prevents the rebinding of dissociated uPA to surface uPAR. 0.5 mL of a 250 ng/mL solution inhibits uPA rebinding to \(10^6\) acid-washed U937 cells. \(^{(5)}\)

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

Signal word
Warning
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.

References