



**Monoclonal antibody against
human uPA-R (CD 87)**

Product No. ADG3937

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Description

The monoclonal antibody ADG3937 (clone HD-UPAR-13.1.1) is a murine monoclonal antibody, subclass IgG₁ recognizing the human urokinase receptor (uPAR) domain 2+3. It binds with high affinity to both uPAR and uPA/uPAR complexes.

Properties

ADG3937 is non-inhibitory, it does not block uPA from binding to uPAR. Pre-incubation with various uPAR preparations (CHO cell line, U937 cells) can completely inhibit binding of ADG3937 to uPAR). Cross-reactivity with uPAR from other species has not been determined.

Presentation

Screw capped vial containing 250 µg of purified antibody in PBS pH 7.4, 0.1 % 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.

Applications

A. Immunohistochemical/Flow Cytometry Analysis

ADG3937 stains both fresh frozen and formalin-fixed PMA stimulated U937 cells for flow cytometry. A 1:100 dilution (10 µg/mL concentration) is recommended.

B. Immunoprecipitation of uPAR

Using a 5:1 molar ratio, ADG3937 precipitates various uPAR preparations, showing a broad band between 39-66 kDa per an SDS-gel electrophoresis, owing to the extensive glycosylations of the preparations (N-linked type). Enzymatic deglycosylation reduces this broad band to a single, sharp 29 kDa band.

C. Western Blot Analysis

ADG3937 is suitable for use in Western blot analysis. Under non-reducing conditions, 2 µg/mL of ADG3937 can visualize as little as 50 ng of uPAR.

Related Products

Product No. 893, IMUBIND® uPAR ELISA. Product No. 399R, rabbit anti human uPAR IgG. Product No. 129PC, uPAR Positive Control for immunoblot studies.

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