

Synonym

uPAR,PLAUR,CD87,MO3

Source

FITC-Labeled Human uPAR, His Tag(UPR-HF2H3) is expressed from human 293 cells (HEK293). It contains AA Leu 23 - Arg 303 (Accession # [Q03405-1](#)). Predicted N-terminus: Leu 23

Molecular Characterization

uPAR(Leu 23 - Arg 303)  
Q03405-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.  
The protein has a calculated MW of 32.3 kDa. The protein migrates as 45-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Conjugate

FITC  
Excitation source: 488 nm spectral line, argon-ion laser  
Excitation Wavelength: 488 nm  
Emission Wavelength: 535 nm

Labeling

*The primary amines in the side chains of lysine residues and the N-terminus of the protein are conjugated with FITC using standard chemical labeling method. The residual FITC is removed by molecular sieve treatment during purification process.*

Protein Ratio

The FITC to protein molar ratio is 1-3.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.  
Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.  
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

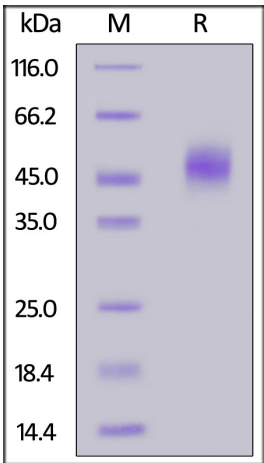
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.  
*Please protect from light and avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



FITC-Labeled Human uPAR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein

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and more!



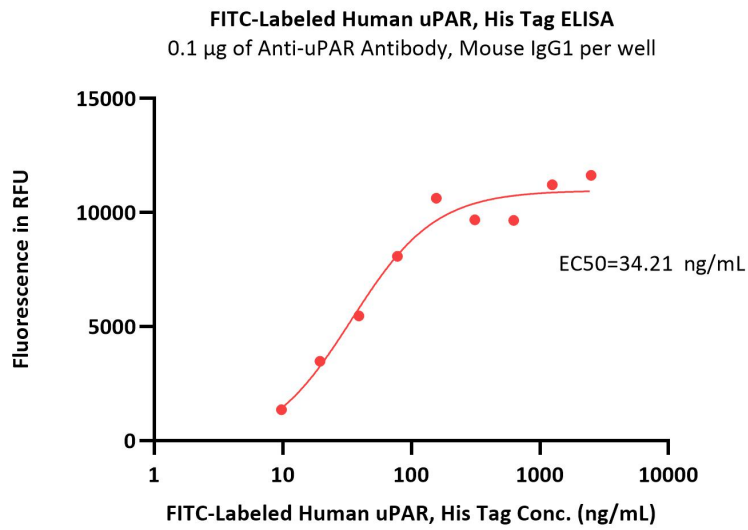
FITC-Labeled Human uPAR / PLAUR Protein, His Tag

Catalog # UPR-HF2H3



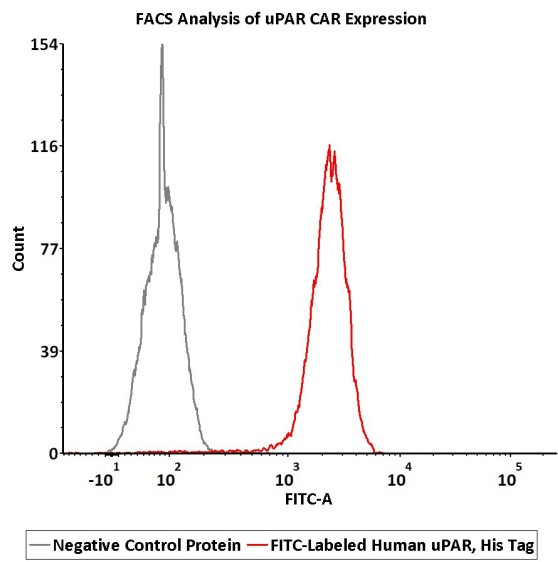
is greater than 90%.

Bioactivity-ELISA



Immobilized Anti-uPAR Antibody, Mouse IgG1 at 1 µg/mL (100 µL/well) can bind FITC-Labeled Human uPAR, His Tag (Cat. No. UPR-HF2H3) with a linear range of 10-156 ng/mL (QC tested).

Bioactivity-FACS



2e5 of Anti-uPAR CAR-293 cells were stained with 100 µL of 3 µg/mL of FITC-Labeled Human uPAR, His Tag (Cat. No. UPR-HF2H3) and negative control protein respectively, washed and analyzed with FACS (QC tested).

Background

Urokinase plasminogen activator surface receptor (U-PAR) is also known as PLAUR, Monocyte activation antigen Mo3, CD antigen CD87. PLAUR contains three UPAR/Ly6 domains. U-PAR is expressed in neurons of the rolandic area of the brain (at protein level) and is also expressed in the brain. PLAUR / CD87 interacts with MRC2, SRPX2 and SORL1. PLAUR / UPAR acts as a receptor for urokinase plasminogen activator and plays a role in localizing and promoting plasmin formation. U-PAR mediates the proteolysis-independent signal transduction activation effects of U-PA.

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