

Synonym

uPAR, PLAUR, CD87, MO3

Source

PE-Labeled Human uPAR, His Tag (UPR-HP2H7) is produced via site-specific conjugation of PE to Human uPAR, His Tag under optimal conditions with a proprietary technology. Human uPAR, His Tag is expressed from human 293 cells (HEK293). It contains AA Leu 23 - Arg 303 (Accession # [Q03405-1](#)).

Predicted N-terminus: Leu 23

Molecular Characterization


This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 35.0 kDa.

Application

Please note that this product is NOT compatible to streptavidin detection system.

Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

FormulationLyophilized from 0.22 μ m filtered solution in PBS, 0.5% BSA, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

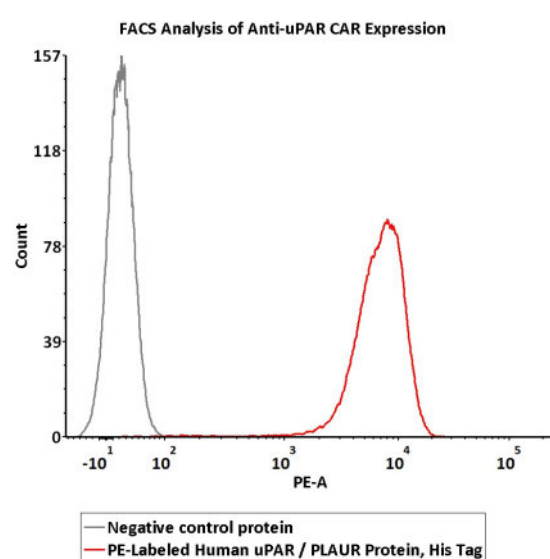
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

StorageFor 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.

Bioactivity-FACS

5e5 of anti-uPAR CAR-293 cells were stained with 100 μ L of 1:50 dilution (2 μ L stock solution in 100 μ L FACS buffer) of PE-Labeled Human uPAR, His Tag (Cat. No. UPR-HP2H7) and negative control protein respectively. PE signal was used to evaluate the binding activity (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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.