

For Research Use Only

Anti-Human uPAR/CD87 Rabbit Recombinant Antibody

Catalog Number: 98048-1-RR



Basic Information

Catalog Number:

98048-1-RR

Size:

100ug, 1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002659.4

GeneID (NCBI):

5329

UNIPROT ID:

Q03405-1

Full Name:

PLAUR

Calculated MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

240366G10

Recommended Dilutions:

IF/ICC 1:200-1:800

Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

Background Information

uPAR, also known as CD87, is a highly glycosylated, GPI-anchored membrane protein. In addition to the membrane-anchored form, uPAR is released from the plasma membrane by cleavage of the GPI anchor and can be found as a soluble form (suPAR). uPAR contains three homologous domains (D1-D3) of which the N-terminal one (D1) represents the uPA-binding domain. After binding to uPAR, uPA cleaves plasminogen, generating the active protease plasmin which is involved in a wide variety of physiologic and pathologic processes. In addition to regulating proteolysis, uPAR has important function in cell adhesion, migration and proliferation. Studies reveal that uPAR expression is elevated during inflammation and tissue remodeling and in many human cancers, in which it frequently indicates poor prognosis. (PMID 20027185; 12461559)

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

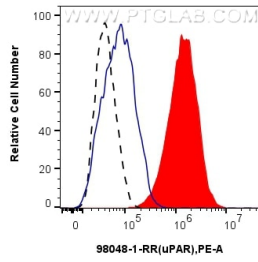
For technical support and original validation data for this product please contact:

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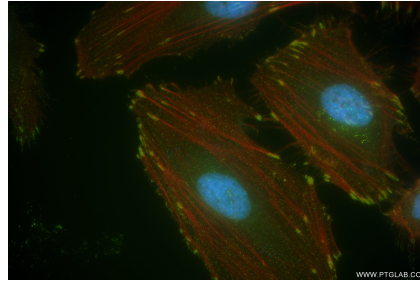
E: proteintech@ptglab.com
W: ptglab.com

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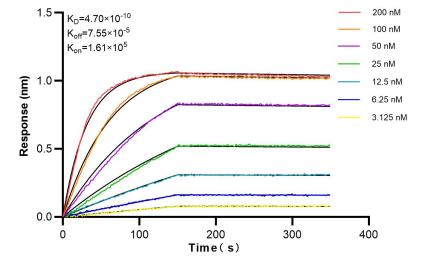
Selected Validation Data



1×10^6 PMA-treated U-937 cells were surface stained with 0.25 μ g Anti-Human uPAR/CD87 Rabbit Recombinant Antibody (98048-1-RR, Clone: 240366G10) (red) or isotype control (blue) and PE-conjugated Goat Anti-Rabbit IgG. Untreated U-937 cells were surface stained with 0.25 μ g Anti-Human uPAR/CD87 Rabbit Recombinant Antibody (98048-1-RR, Clone: 240366G10) and PE-conjugated Goat Anti-Rabbit IgG (black). Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using uPAR/CD87 antibody (98048-1-RR, Clone: 240366G10) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 98048-1-RR against Human uPAR were performed. The affinity constant is 4.70 nM.