

For Research Use Only

Anti-Human uPAR/CD87 Rabbit Recombinant Antibody

Catalog Number: 98048-1-RR



Basic Information

| | | |
|--------------------------------------|---|---|
| Catalog Number: 98048-1-RR | GenBank Accession Number: NM_002659.4 | Purification Method: Protein A purification |
| Size: 100ug, 1000 ug/ml | GeneID (NCBI): 5329 | CloneNo.: 240366G10 |
| Source: Rabbit | UNIPROT ID: Q03405-1 | |
| Isotype: IgG | Full Name: PLAUR | |
| | Calculated MW: 37 kDa | |

Applications

Tested Applications:
FC

Species Specificity:
human

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:

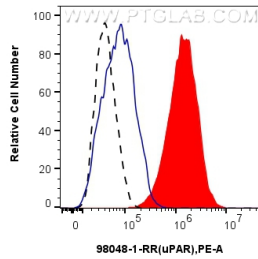
T: 4006900926

E: Proteintech-CN@ptglab.com

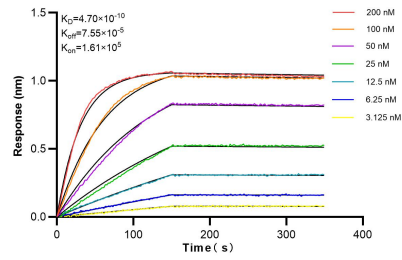
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Selected Validation Data



1×10^6 untreated (black) or 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) and PE-conjugated Goat Anti-Rabbit IgG (red). 1×10^6 PMA treated U-937 cells were surface stained with 0.25 μ g Isotype Control (blue). Cells were not fixed.



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