

Product Sheet



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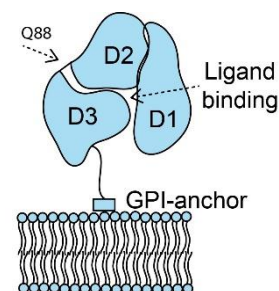
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Urokinase Plasminogen Activator Surface receptor (uPAR)

Catalogue no.: Q88c
Clone name: QUP-2G4

Product: VHH directed against uPAR
Target: Urokinase plasminogen activator surface receptor (uPAR, UniProtKB Q03405), also known as monocyte activation antigen Mo3, PLAUR and CD87, is a GPI-anchored protein that binds the urokinase-type Plasminogen Activator (uPA). uPAR is a 335 amino acid large GPI-anchored protein and functions by localizing and enhancing the uPA-mediated conversion of plasminogen to plasmin. In addition, uPAR can interact with vitronectin and integrins and hereby regulate cell adhesion. Ligand binding to uPAR results in downstream signal transduction towards tyrosine kinases, gene expression, cell adhesion, and chemotaxis. uPAR is expressed a large number of cancers and is linked to tumor metastasis and invasion.¹⁻³



Source: Recombinant monoclonal VHH (Llama glama), purified from *S. cerevisiae* using affinity chromatography. Immunization and phage-display selection on immobilized recombinant human uPAR.

Specificity: Domains D2-D3 of human uPAR.

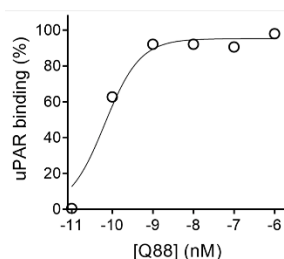
Formulation: 0.2 µm filtered solution in PBS. The products are equipped with a C-terminal C-Direct tag with an unpaired cysteine for directional conjugation.

Mol. Weight: 15 kDa
Ext. Coeff. (ε): 25565 M⁻¹ cm⁻¹
A₂₈₀ at 1g/L: 1.7

Storage: Shipped on blue ice. Store at 4 °C or -20 °C (aliquots). Addition of 0.02% sodiumazide is optional.

Applications: ELISA

Examples:



Binding of Q88 to recombinant uPAR in ELISA.

References:

- 1 Ploug, M. (2013) Theranostics. 3:467-476.
- 2 Dear, AE. and Medcalf, RL. (1998) Eur J Biochem. 252:185-193.
- 3 Boonstra et al. (2011) Curr Pharm Des. 17:1890-1910