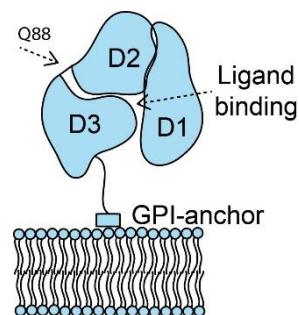


oUrokinase Plasminogen Activator Surface receptor (uPAR)

Catalogue no.: Q88
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).^{1,2} uPAR is a 335 amino acid large GPI-anchored protein and functions by localizing and enhancing the uPA-mediated conversion of plasminogen to plasmin.² 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.² uPAR is expressed a large number of cancers and is linked to tumor metastasis and invasion.³



Schematic representation of the structure of uPAR.¹

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.

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

Applications: ELISA.

Products:

Cat. No.	Target	Tag	Label
Q88	uPAR	Tagless	No label
Q88c	uPAR	C-direct	No label
Q88c-lab	uPAR	C-direct	Biotin / NOTA / HiLyte488 / IRDye800CW

References:

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