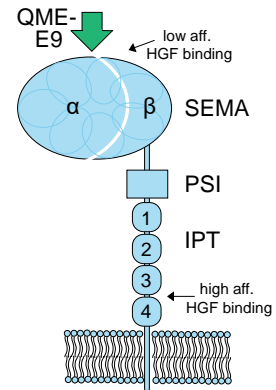


Anti-Hepatocyte Growth Factor Receptor (HGFR)/Met

Catalogue no.: Q21, Q22
Clone name: QME-E9, QME-G2
Product: VHH directed against Hepatocyte Growth Factor Receptor (HGFR)/Met

Target: The hepatocyte growth factor receptor (HGFR, cMet or Met, UniProtKB [P08581](#)) is a single membrane spanning receptor tyrosine kinase that is activated by hepatocyte growth factor (also known as scatter factor) ¹. Met is expressed at the cell surface as a 195 kDa heterodimeric protein. The extracellular part of Met contains three domain types: an N-terminal 7-bladed β -propellor-like SEMA domain (semaphorin), a PSI domain (plexin, semaphorin, integrin-like) and four IPT-domains (immuno-globulin-like) ². Blades 2-3 of the SEMA domain and IPT 3-4 interact with its natural ligand HGF (see figure) ³.



Source: Recombinant monoclonal VHH (*Llama glama*), purified from *S.cerevisiae*. Immunization with A431 cells. Phage-display selection on captured HGFR ectodomain with total elution.

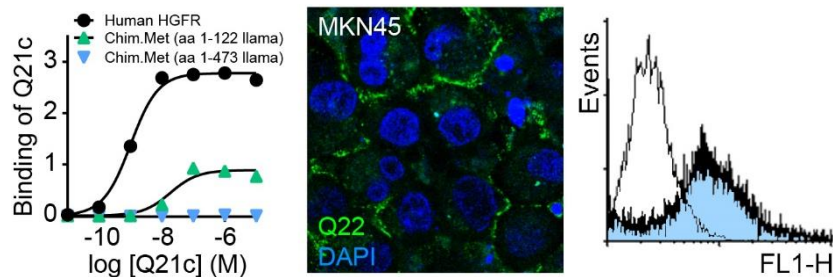
Specificity: Human HGFR/Met.
 Epitope: Blades 2-6 of the SEMA domain. Competes for HGF binding ⁴.

Formulation: Frozen 0.2 μ m filtered solution of VHH in PBS.

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

Applications: ELISA, IF, FACS, IP, IHC

Examples:



Binding of Q21c to either fully human HGFR/Met (black circles) or llama/human HGFR/Met chimera in ELISA. Binding of Q22-decorated albumin nanoparticles to MKN-45 cells. And binding of Q22 to A431 cells in FACS.

Products:

Cat. No.	Target	Tag	Label
Q21/Q22	HGFR/Met	Tagless	No label
Q21c/Q22c	HGFR/Met	C-direct	No label
Q21c-lab/Q22c-lab	HGFR/Met	C-direct	Biotin / NOTA / HiLyte488 / IRDye800CW

References:

- 1 [Cooper et al.](#), (1984) Nature 311, 29-33,
- 2 [Stamos et al.](#), (2004), EMBO J 23, 2325-2335
- 3 [Bradley et al.](#) (2017), Nat Rev Clin Oncol 14. 562-576
- 4 [Heukers et al.](#), (2014) Biomaterials 35, 601-610