

**Product:** antiHIV-1 vhh DIRECTED TO hr1 COILED COIL OF GP41  
**Catalogue nr.:** QVQ 07 (1B5) and QVQ 53 (1H9)  
**Clone name:** 1B5 and 1H9

**Specificity:** 3D structure determination of the complex 1B5/gp120 (Strokappe 2016) shows that 1B5 binds to an epitope spanning the bridging sheet, the V3 loop and the CD4 binding loop. Although 1B5 and 1H9 have quite similar amino acid sequences they show differences in neutralization studies. 1B5 is quite active against clade A, whereas 1H9 neutralizes better B, B/C and C clades.

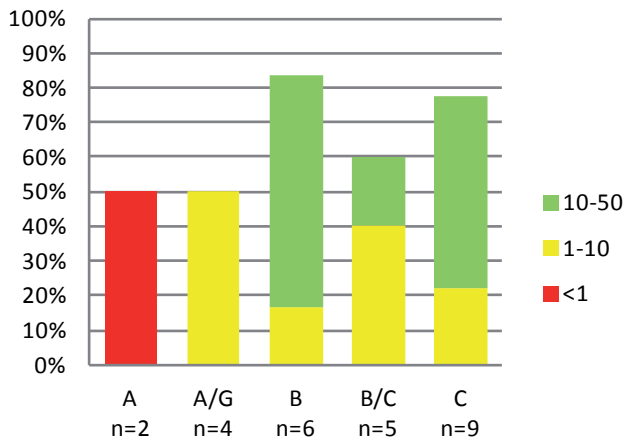
**Source:** Recombinant monoclonal VHH, C-terminal extended VHH, directionally labeled VHH

**Formulation:** Frozen 0.2 µm filtered solution of VHH in PBS (standard)  
 On request larger amounts can be delivered in formulation suitable for the customer

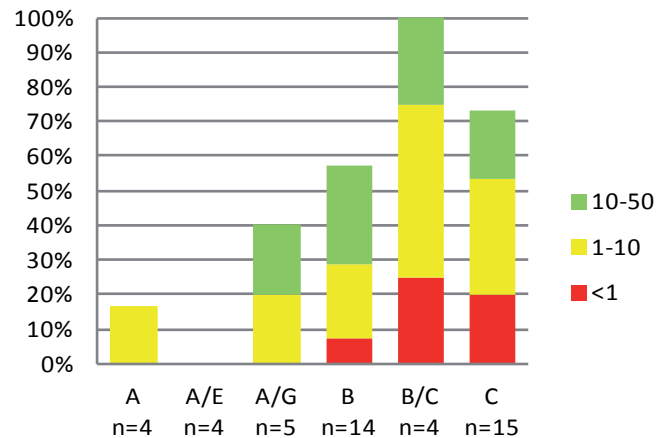
**Storage:** Standard product: Store the VHH at 4°C or aliquoted at -20°C. (addition of 0.02% natrium azide is optional)

**Applications:** Useful for Elisa; epitope and conformational determinations (Strokappe et al 2016a); calibration of neutralization studies (Strokappe et al 2016b); IF  
 As the epitope is not linear these VHH are not suitable for Western blots

### 1B5 Neutralisation



### 1H9 Neutralisation



		Cat nr	Tag
1B5		QVQ07	None
1B5	C terminal extended	QVQ07C	C-FLEA
1B5	directionally labeled with IRDye800CW	CQVQ07IR	IRDye800CW
1H9		QVQ53	None
1H9	C terminal extended	QVQ53C	C-FLEA
1H9	directionally labeled with IRDye800CW	QVQ53IR	IRDye800CW