QVQ
QUALITY IN ANTIBODIES

Anti - HIV Neutr. CD4bs

Product: anti HIV-1 VHH directed to CD4bs
Catalogue nr. : QVQ02 (J3Rsc) and QVQ03 (3E3R)
Clone name: J3Rsc and 3E3R

J3 and 3E3 are also coupled to VHH recognizing other epitopes, like V3 region, HR1 gp41 and the bridging sheet. Often these bi-specific VHH are more potent and even broader than their parent VHH.

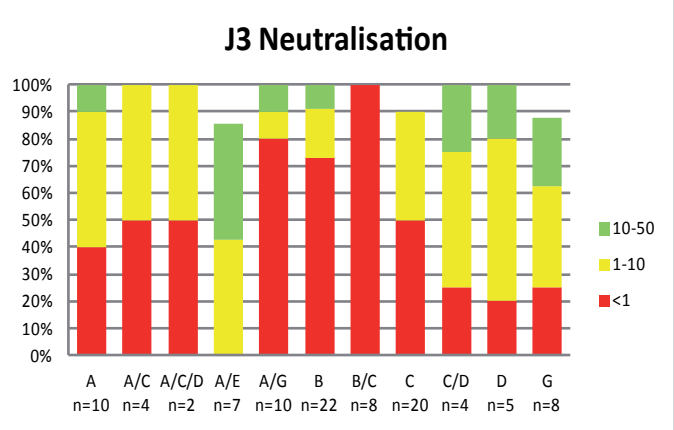
Specificity: Detects the CD4 binding site on trimeric envelop protein of HIV-1 and neutralizes >90% (J3Rsc) or > 80% (3E3) of a broad range of HIV-1 strains, including all clades and Tier 2 strains. J3Rsc has been tested in SHIV macaque study and showed 8/8 protection.

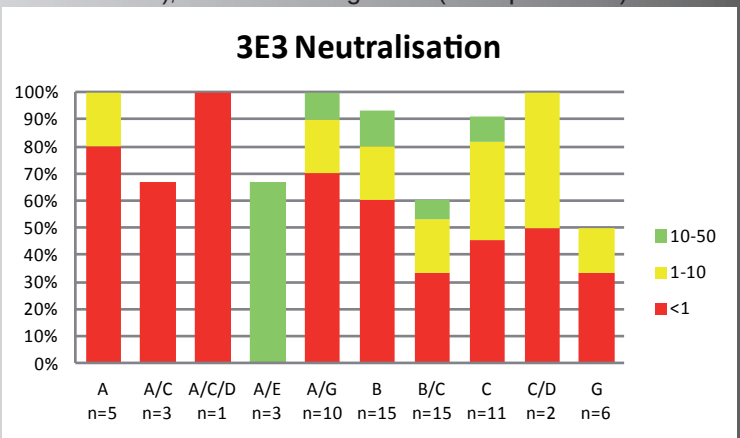
Sources: Recombinant monoclonal VHH, *

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 oC or aliquoted at -20 oC
(addition of 0,02% natrium azide is optional)

Applications: Elisa ( ); epitope and conformational determinations (Strokappe et al 2016a);
calibration of neutralization studies (Strokappe et al 2016b);
Cell-cell transmission of HIV-1 (McCoy et al);
IF and Electron microscopic studies (Meyerson et al 2013); animal challenge tests (to be published)





Clade specific Neutralization of VHH
The total neutralization per clade is shown by the height of the bar graph and the neutralization potency by the colors of the bar

- IC50 <1 µg/ml
- IC50 between 1 and 10 µg/ml
- IC50 between 10 and 50 µg/ml

		Cat nr	Tag
J3Rsc		QVQ02	None
J3Rsc	C terminal extended	QVQ02C	C-FLEA
J3Rsc	directionally labeled with IRDye800CW	CQVQ02IR	IRDye800CW
3E3R		QVQ03	None
3E3R	C terminal extended	QVQ03C	C-FLEA
3E3R	directionally labeled with IRDye800CW	QVQ03IR	IRDye800CW

For more information, protocols and bulk quotes, please contact: sales@qvquality.com or +31-30-2533421