

Products:	VHH (1B5, 4B3 and bihead 4B3-1B5) directed against two different epitopes of the C-terminal part of DUX4
Catalogue nr.:	QVQ56 (1B5), QVQ57 (4B3), QVQ58 (4B3-1B5)
Clone name:	1B5, 4B3, 4B3-1B5
Specificity:	<p>These VHH originate from a library made after immunizations of 2 Llamas with a set of antigens, notably sDUX4, C-terminal parts of DUX4, DNA containing the code for DUX4, homogenized muscle tissue of FSHD patients.</p> <p>This complex immunization scheme was adapted to maximize the probability to select good VHH. Of a considerable set of VHH (see Fig below) two VHH showed by IF recognition of DUX4 in affected muscle cells comparable or even better than the best conventional anti DUX4 antibodies ()</p>
Sources:	Recombinant monoclonal monohead or bihead VHH purified from E. coli or S. cerevisiae
Formulation:	<p>Plain, C-terminal extended or labeled VHH in 0.2 µm filtered PBS solution, shipped on dry ice. On request larger amounts can be delivered in formulation suitable for the customer.</p> <p>Labeled VHH in 0.2 µm filtered PBS solution, shipped on blue ice</p>
Storage:	For both plain, C-terminally extended and labeled VHH, store at 4 oC or aliquoted and store at -20 oC (addition of 0.02% sodium azide is optional)
Applications:	IF detection of DUX4, IP of DUX4, may be used to develop therapeutics of FSHD

VHH	Cat.nr.	Modality
1B5	QVQ56	Plain
1B5	QVQ56-C	C-terminally extended
1B5	QVQ56-IR	C-term directionally labeled with IRDye 800CW
4B3	QVQ57	Plain
4B3	QVQ57-C	C-terminally extended
4B3	QVQ57-IR	C-term directionally labeled with IRDye 800CW
4B3-1B5	QVQ58	Plain bi-specific VHH
4B3-1B5	QVQ58-C	C-terminally extended
4B3-1B5	QVQ58-IR	C-term directionally labeled with IRDye 800CW