

Materials List for:

Validation of Nanobody and Antibody Based *In Vivo* Tumor Xenograft NIRF-imaging Experiments in Mice Using *Ex Vivo* Flow Cytometry and Microscopy

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Materials

Name	Company	Catalog Number	Comments
AF680 protein labelling kit	Invitrogen	A20172	
Anti-CD16/CD32-antibody	BioXCell	BE0008	
Anti-CD31-antibody	Santa Cruz	sc-1506	labeled with secondary antibody with AF488
Anti-CD45-antibody V450	BD Biosciences	560501	
AxioVision LE software	Zeiss	www.zeiss.com	
Basement membrane matrix	BD Biosciences	354234	Alternative product can be used
Cell strainer 70 µm	Corning	431751	Alternative product can be used
Confocal microscope	Leica	www.leica-microsystems.com	Leica SP5 with the following lasers: He-Neon for AF680, Argon Laser for AF488, and a 405-Diode for DAPI
DAPI	Molecular Probes	D1306	
DC27.10 cells	laboratory specific		Other cells with different surface targets can be used
DPBS	Sigma Aldrich	D8662	
FACS Canto II	BD Biosciences	www.bdbiosciences.com	
Flourescence mircoscope	Zeiss	www.zeiss.com	Zeiss Axiovert 200 with Filter Set #32 for AF680: 000000-1031-354
ImageJ software	NIH	http://imagej.nih.gov/ij/	
IVIS 200	Perkin Elmer	www.perkinelmer.com	Alternative in vivo imaging system can be used
Leica LAS software	Leica	www.leica-microsystems.com	Software specific to microscope used
Living Image software	Perkin Elmer	www.perkinelmer.com	Software specific to imaging system used
Needles 30 G	BD Biosciences	305128	Alternative product can be used
Nika102-antibody AF680	laboratory specific		Other antibodies against different surface targets can be used
Paraformaldehyde	Sigma Aldrich	P6148	Potential hazards: carcinogenic, can irritate the eyes and skin, contact may cause drying of the skin and/or allergic dermatitis

s+16a-nanobody AF680	laboratory specific		Other antibodies against different surface targets can be used
Syringes 1 ml	Braun	916 1406 V	Alternative product can be used