

Materials List for:

Creating Highly Specific Chemically Induced Protein Dimerization Systems by Stepwise Phage Selection of a Combinatorial Single-Domain Antibody Library

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Materials

Name	Company	Catalog Number	Comments
1-Step Ultra TMB ELISA substrate solution	Thermo Fisher Scientific	34029	
Agar	Thermo Fisher Scientific	BP1423-2	
Amicon Ultra-15 Centrifugal Filter unit (3 kDa cutoff)	Millipore	UFC900324	
Ampicillin	Thermo Fisher Scientific	BP1760-25	
Bio-Rad Protein Assay Kit II	Bio-Rad	5000002	
BirA biotin-protein ligase standard reaction kit	Avidity	BirA500	
Bovine Serum Albumin (BSA)	Sigma-Aldrich	A2153-50G	
Casein	Sigma-Aldrich	C7078-1KG	
CM13 Helper phage	Antibody Design Labs	PH020L	
D-(+)-Glucose monohydrate	Alfa Aesar	A11090	
Dynabeads M-280 Streptavidin	Thermo Fisher Scientific	11205D	
DynaMag-2 Magnet	Thermo Fisher Scientific	12321D	
EDTA	Thermo Fisher Scientific	BP120-1	
Fast DNA Ladder	New England Biolabs	N3238S	
FastDigest BglI	Thermo Fisher Scientific	FD0074	
Glycerol	Thermo Fisher Scientific	BP229-1	
HiLoad 16/600 Superdex 200 pg	GE Healthcare	28989335	
HiPrep 26/10 Desalting Column	GE Healthcare	17508701	
HisTrap-FF-1ml	GE Healthcare	11000458	
Imidazole	Alfa Aesar	161-0718	
IPTG	Thermo Fisher Scientific	34060	
Kanamycin	Thermo Fisher Scientific	BP906-5	
M13 Major Coat Protein Antibody	Santa Cruz Biotechnology	sc-53004	
NaCl	Sigma-Aldrich	S3014-500G	
NanoDrop 2000/2000c Spectrophotometers	Thermo Fisher Scientific	ND-2000	
Nunc 96-Well Polypropylene DeepWell Storage Plates	Thermo Fisher Scientific	260251	
Nunc MaxiSorp	Thermo Fisher Scientific	44-2404-21	
Octet RED96	ForteBio	N/A	
pADL-23c Phagemid Vector	Antibody Design Labs	PD0111	
PEG-6000	Sigma-Aldrich	81260-1KG	

Platinum SuperFi DNA Polymerase	Invitrogen	12351010	
PureLink PCR Purification Kit	Thermo Fisher Scientific	K310001	
QIAprep Spin M13 Kit	Qiagen	27704	
Recovery Medium	Lucigen	80026-1	
SpectraMax Plus 384	Molecular Devices	N/A	
Sucrose	Sigma-Aldrich	S0389-1KG	
Super Streptavidin (SSA) Biosensors	ForteBio	18-5057	
Superdex 75 increase 10/300 GL Column	GE Healthcare	28-9909-44	
T4 DNA Ligase	Thermo Fisher Scientific	15224-025	
TG1 Electrocompetent Cells	Lucigen	60502-1	
Triethylamine	Sigma-Aldrich	471283-100mL	
Trizma Base	Sigma-Aldrich	T1503	
Tryptone	Thermo Fisher Scientific	BP9726-5	
Tween 20	Thermo Fisher Scientific	BP337-500	
Yeast Extract	Thermo Fisher Scientific	BP1422-2	
Zeba Spin Desalting Column	Thermo Fisher Scientific	89882	