

Materials List for:

# Peptide Scanning-assisted Identification of a Monoclonal Antibody-recognized Linear B-cell Epitope

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URL: <https://www.jove.com/video/55417>

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## Materials

Name	Company	Catalog Number	Comments
Hybrid-SFM medium	Gibco	12045-076	
Dulbeccos's Phosphate-Buffered Saline (PBS)	Gibco	21600-069	
Pfu DNA Polymerase	Thermo Scientific	EP0502	Including buffers
T4 DNA Ligase	Roche	10799009001	Including buffers
NdeI	New England Biolabs	R0111S	Including buffers
XhoI	New England Biolabs	R0146S	Including buffers
pET-20b(+) vector	Novagen, Merck Millipore	69739	
<i>E. coli</i> DH-5 $\alpha$ competent cell	RBC Bioscience	RH617	
<i>E. coli</i> BL-21(DE3) competent cell	RBC Bioscience	RH217	
Ampicillin	Amresco	0339-25G	
LB broth	Invitrogen	12780-052	
Isopropylthio- $\beta$ -D-thiogalactoside (IPTG)	MDBio, Inc.	101-367-93-1	
Methanol	Merck Millipore	106009	
Polyoxyethylene 20 Sorbitan Monolaurate (Tween-20)	J.T.Baker	X251-07	
Dimethyl sulfoxide (DMSO)	Sigma	D2650	
Glycine	Amresco	0167-5KG	
Tris	Affymetrix, USB	75825	
NaCl	Amresco	0241-1KG	
EDTA	Amresco	0105-1KG	
Glycerol	Amresco	0854-1L	
NaN <sub>3</sub>	Sigma	S2002-500G	
BCIP/NBT	PerkinElmer	NEL937001PK	
Goat Anti-Mouse IgG, Fc fragment antibody	Jackson ImmunoResearch	115-055-008	
Immobilon-P (Polyvinylidene fluoride, PVDF)	Merck Millipore	IPVH00010	
Protein G Agarose Fast Flow	Merck Millipore	16-266	
QIAquick PCR Purification kit	Qiagen	28106	
UVP BioSpectrum 600 Image System	UVP	n/a	
VisionWorks LS Analysis Software Ver 6.8	UVP	n/a	
MyCycler thermal cycler	BioRad	1709713	