

Materials List for:

Isolation and Characterization Of Chimeric Human Fc-expressing Proteins Using Protein A Membrane Adsorbers And A Streamlined Workflow

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Materials

Name	Company	Catalog Number	Comments
Protein A membrane adsorber (Sartobind Protein A 2 ml)	Sartorius-Stedim	93PRAP06HB-12--A	
Amicon Ultra centrifugal filter, 10 kDa, 4 ml	Millipore	UFC801008	Use 15 ml volume if needed
Sterile vacuum filter unit, 0.22 µm, 500 ml	Millipore	SCGPU05RE	
10 ml Syringes with Luer Lock tips	BD	301604	
30 ml Syringes with Luer Lock tips	BD	309650	
Tygon lab tubing (1/16 in x 1/8 in x 50 ft)	Cole Parmer	WU-95903-16	
Slide-A-Lyzer MINI Dialysis Devices (10K MWCO)	Thermo Scientific	69576	
Snap i.d. antibody collection tray	EMD Millipore	WBAVDABTR	
Snap i.d. single well blot holder	EMD Millipore	WBAVDBH01	
Elution buffer	Thermo Scientific	21004	
Tris, ultra pure	Fisher Scientific	819623	
Sodium chloride	Fisher Scientific	7647-14-5	
Tween 20	Fisher Scientific	BP337-100	
DPBS	Thermo Scientific	SH30028.02	
DPBS with Ca ²⁺ /Mg ²⁺	Life Technologies	14080-055	
BSA	Sigma	A9647	
Human Fc	Bethyl Research Laboratories	P80-104	
Anti-human Fc-APC	Jackson ImmunoResearch	109136170	
Anti-human Fc-AP	Bio-Rad	170-5018	
Alkaline phosphatase substrate	Promega	S3841	
Flow cytometry tubes (5 ml polystyrene or polypropylene)	BD	352054	
Syringe pump	Harvard Apparatus	55-2226	A peristaltic pump is also acceptable
Protein gel electrophoresis system	Bio-Rad Laboratories	552BR094876	Any gel electrophoresis system is acceptable, but mini gel systems run fastest
Semidry blotter	Bio-Rad Laboratories	690BR006163	Any transfer system is acceptable, but discontinuous transfer systems

			perform electrophoretic transfer fastest
SNAP i.d. vacuum-assisted protein detection system	EMD Millipore	WBAVDATABASE	An upgraded model has replaced this specific instrument, but either should work just as well