

Materials List for:

Analysis of Histone Antibody Specificity with Peptide Microarrays

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Materials

Name	Company	Catalog Number	Comments
Printing Buffer	ArrayIt	PPB	
BSA	Omnipure	2390	
Streptavidin-coated glass microscope slides	Greiner Bio-one	439003-25	
polypropylene 384 well plate	Greiner Bio-one	784201	
Biotin-fluorescein	Sigma	53608	
contact microarray printer	Aushon	2470	Aushon 2470 Microarray Printer
contact microarray printer	Gene Machines	OmniGrid 100	OmniGrid Microarray Printer
PBS	Invitrogen	14190	
Blocking Buffer	ArrayIt	SBB	
Hydrophobic wax pen	Vector Labs	H-4000	ImmEdge Hydrophobic Barrier PAP Pen
Silicon Gasket	Grace Bio-labs	622511	
Hybridization Vessel	Thermo Scientific	267061	or similar vessel
Fluorescent-dye conjugated secondary antibody	Life Technologies	A-21244	Alexa Fluor 647 (anti-rabbit)
Fluorescent-dye conjugated secondary antibody	Life Technologies	A-21235	Alexa Fluor 647 (anti-mouse)
Wax Imprinter	ArrayIt	MSI48	
Tween-20	Omnipure	9490	
Microarray Scanner	Innopsys	InnoScan 1100AL	or equivalent microarray scanner
EipTitan Histone Peptide Microarray	Epicyphe	112001	
AbSurance Pro Histone Peptide Microarray	Millipore	16668	
MODified Histone Peptide Array	Active Motif	13001	
Histone Code Peptide Microarrays	JPT	His_MA_01	
Wax	Royal Oak	GulfWax	for wax imprinter
Humidified Microarray Slide Hybridization Chamber	VWR	97000-284	
High throughput microscope slide washing chamber	ArrayIt	HTW	
Microscope slide centrifuge	VWR	93000-204	
Antibody 1	Abcam	8898	
Antibody 2	Millipore	07-473	
Biotinylated histone peptide	EpiCypher	12-0001	Example peptide. Similar peptides with various modifications are available from several commercial sources.

ImageMagick			https://www.imagemagick.org/ script/index.php
ArrayNinja			https://rothbartlab.vai.org/tools/