

Materials List for:

# Personalized Peptide Arrays for Detection of HLA Alloantibodies in Organ Transplantation

Pan Liu<sup>1</sup>, Tomokazu Souma<sup>1</sup>, Andrew Zu-Sern Wei<sup>1</sup>, Xueying Xie<sup>3</sup>, Xunrong Luo<sup>2</sup>, Jing Jin<sup>1</sup>

<sup>1</sup>Division of Nephrology and Hypertension, and the Center for Kidney Research and Therapeutics at the Feinberg Cardiovascular Research Institute, Northwestern University Feinberg School of Medicine

<sup>2</sup>Surgery-Organ Transplantation, Northwestern University Feinberg School of Medicine

<sup>3</sup>School of Biological Sciences and Medical Engineering, Southeast University

Correspondence to: Jing Jin at [jing.jin@northwestern.edu](mailto:jing.jin@northwestern.edu)

URL: <https://www.jove.com/video/56278>

DOI: [doi:10.3791/56278](https://doi.org/10.3791/56278)

## Materials

Name	Company	Catalog Number	Comments
Peptide array	INTAVIS Bioanalytical Instruments		
Ethanol	Sigma-Aldrich	E7023	
Ponceau S solution	Sigma-Aldrich	P7170	
Non-fat milk	Bio Rad Laboratories	1706404	
TBST	Santa Cruz Biotechnology	10711454001	
Goat anti-human IgG–HRP	ThermoFisher Scientific	A18811	
Clarity Western ECL Substrate	Bio Rad Laboratories	1705061	
Restore Western Blot Stripping Buffer	Thermo Scientifics	21059	
ChemiDoc gel imaging system	Bio Rad Laboratories	1708265	