

# Multiplexed Fluorescent Immunohistochemical Staining of Four Endometrial Immune Cell Types in Recurrent Miscarriage

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## Materials

Name	Company	Catalog Number	Comments
Amplification Diluent	Perkin Elmer	FP1498	Fluorophore diluent buffer
Antibody diluent	Perkin Elmer	ARD1001EA	Diluting the antibody
CD3	Spring Bioscience	M3072	Primary antibody
CD20	Biocare Medical	CM004B	Primary antibody
CD56	Leica	NCL-CD56-504	Primary antibody
CD68	Spring Bioscience	M5510	Primary antibody
Citrate Buffer Solution, pH 6.0 (10x)	Abcam	AB64214	Antigen retrieval solution
EMSURE Xylene (isomeric mixture)	Merck	108297	Dewaxing
Ethanol absolute	Merck	107017	Ethyl alcohol for rehydration
HistoCore BIOCUT Manual Rotary Leica Microtome	Leica	RM2125RTS	Sectioning of paraffin-embedded tissue
inForm Advanced Image Analysis Software	Perkin Elmer	inForm <sup>®</sup> Tissue Finder Software 2.2.1 (version 14.0)	Data Analysis software
Mantra <sup>®</sup> Workstation	Akoya Biosciences	CLS140089	Spectral imaging
Microwave	Panasonic	Inverter	Microwave stripping
Opal 520	Perkin Elmer	FP1487A	Appropriate tyramide based fluorescent reagent
Opal 620	Perkin Elmer	FP1495A	Appropriate tyramide based fluorescent reagent
Opal 650	Perkin Elmer	FP1496A	Appropriate tyramide based fluorescent reagent
Opal 690	Perkin Elmer	FP1497A	Appropriate tyramide based fluorescent reagent

Oven	Memmert	U10	Dewaxing
Peroxidase Blocking Solution	DAKO	S2023	Removal of tissue peroxidase activities
Poly-L-lysine coated slide	FISHER SCIENTIFIC	120-550-15	Slide for routine histological use
PolyHRP Broad Spectrum	Perkin Elmer	ARH1001EA	Secondary antibody
ProLong™ Gold Antifade Mountant	ThermoFisher Scientific	P36930	Mounting
Spatstat	/	Version 2.1-0	Spatial point pattern analysis
Spectral DAPI	Perkin Elmer	FP1490A	Nucleic acid staining
Tissue Processor	Thermo Fischer	Excelsior ES	Tissue processing for dehydration and paraffination
Tris Buffer Saline (TBS), 10x	Cell Signaling Technology	12498S	Washing solution
Tween 20	Sigma-Aldrich	P1370-1L	Nonionic detergent