

Materials List for

# Mast Cells in the Microenvironment of Hepatocellular Carcinoma Confer Favorable Prognosis: A Retrospective Study using QuPath Image Analysis Software

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URL: <https://www.jove.com/video/66743>

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## Materials

Name	Company	Catalog Number	Comments
Anti-CD1a	Leica Biosystems	PA0235	Identifier- immature dendritic cells; RTU, Protocol F, ER2/20 min
Anti-CD117	Leica Biosystems	PA0007	Identifier- mast cells; RTU, Protocol F, ER2/20 min
BOND Plus Microscope Slides	Leica Biosystems, Germany	S21.2113.A	
BOND RXm	Leica Biosystems	49.1501	Fully Automated IHC Stainer
Bond Aspirating Probe Cleaning Kit	Leica Biosystems	CS9100	
Bond Dewax Solution	Leica Biosystems	AR9222	
Bond Polymer Refine Detection Kit	Leica Biosystems	DS9800	
BondTM Epitope Retrieval 2	Leica Biosystems	AR9640	
BondTM Primary Antibody Diluent	Leica Biosystems	AR9352	
BondTM Wash Solution 10X Concentrate	Leica Biosystems	AR9590	
Computer Specifications: Intel(R) Core(TM) i5-10500 CPU @ 3.10GHz 3.10 GHz Installed RAM: 128 G	Intel		A 64-bit operating system that has Windows 7. Any computer with Java-based operating system and Excel available
Coverslips	Leica Biosystems, Germany	14071135636	
CV Mount	Leica Biosystems, Germany	14046430011	
CV5030 Fully Automated Glass Coverslipper	Leica Biosystems	149CVTS5025	
Drying Oven UN30	Memmert GmbH	UN30	
GraphPad Prism 9.0	GraphPad Software LLC		Version 12
Human NKp46/NCR1 Antibody, Monoclonal Mouse IgG2B Clone # 195314	R&D Systems, Inc., United States	MAB1850	Identifier- natural killer cells; Dilution 1:150, Protocol F + BLOK, ER2/20 min
Leica HI1210 - Water Bath	Leica Biosystems	14041521466	
Protein Block	Agilent Dako, United States	X0909	
QuPath 0.3.2 or higher versions			version (QuPath v.0.3.2)
RM2235 Rotary Microtome	Leica Biosystems	149AUTO00C1	

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ST5020 Multistainer Slide Stainer	Leica Biosystems	DEV-ST5010-CV5030	
Statistica	StatSoft Inc.		version 7
Zeiss Axio Scan.Z1	ScienceServices GmbH, Germany	430038-9000-000	Slide scanner