

Materials List for

Multiplex Immunohistochemistry Staining for Paraffin-embedded Lung Cancer Tissue

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Materials

Name	Company	Catalog Number	Comments
Reagents			
Anti-CD8	Abcam	ab237709	Primary antibody, 1/100, PH9
Anti-CD68	Abcam	ab955	Primary antibody, 1/300, PH9
Anti-CK5/6	Millipore	MAB1620	Primary antibody, 1/150, PH9
Anti-HMGCS1	GeneTex	GTX112346	Primary antibody, 1/300, PH6
Animal nonimmune serum	MXB Biotechnologies	SP KIT-B3	Antigen blocking
Fluoromount-G	SouthernBiotech	0100-01	Anti-fluorescent burst
Opal Polaris™ 7-Color Manual IHC Kit	Akoya	NEL861001KT	Opal mIHC Staining
Wash Buffer	Dako	K8000/K8002/K8007/K8023	Washing the tissues slides
Software			
HALO			intelligent quantitative tissue analysis software, paid software
inForm			intelligent quantitative tissue analysis software, paid software
PerkinElmer Vectra			multispectral tissue imaging systems, fully automatic scanning of tissue slides.
QuPath 0.3.2			intelligent quantitative tissue analysis software, open source software, used in this experiment.