
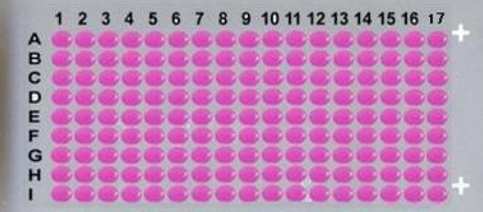


Cat No: LVC1531 - Liver cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	
LVC153101	153	1.1mm	4um	9x17	H&E, IHC anti-Cytokeratin	 

Recommended applications: For research use only. Designed for normal vs cancer IHC or ISH based protein or RNA tissue profiling in liver cancers; Antibody characterization.

Description: Liver cancer tissue array, set 1, 51 cases, 153 cores, one normal paired with two tumor tissue cores from each patient with grading and TNM staging data.

All the tissues were from surgical resection. They were fixed in 10% neutral buffered formalin for 24 hours and processed using identical SOPs. Sections were picked onto Superfrost Plus or APES coated Superfrost slides. They can be stored for use at 4C for up to six months from the date of shipment. **There may be 5 to 10% of tissue core loss.**

Array Position	Sex	Age	Anatomic Site	Pathology	Grade	Stage
A01	M	48	Liver	Hepatocellular carcinoma	III	T2N0M0
A02	M	62	Liver	Hepatocellular carcinoma	I	T2N0M0
A03	F	42	Liver	Hepatocellular carcinoma	III	T2N0M0
A04	M	52	Liver	Hepatocellular carcinoma	II	T2N0M0
A05	M	55	Liver	Hepatocellular carcinoma	I	T2N0M0
A06	M	45	Liver	Hepatocellular carcinoma	III	T2N0M0
A07	M	38	Liver	Hepatocellular carcinoma	III	T2N0M0
A08	M	55	Liver	Hepatocellular carcinoma	II	T2N0M0
A09	M	45	Liver	Hepatocellular carcinoma	III	T2N0M0
A10	M	63	Liver	Hepatocellular carcinoma	II	T2N0M0
A11	M	48	Liver	Hepatocellular carcinoma	II	T2N0M0
A12	M	62	Liver	Hepatocellular carcinoma	II	T2N0M0
A13	F	49	Liver	Hepatocellular carcinoma	II	T2N0M0
A14	M	34	Liver	Hepatocellular carcinoma	II	T3N0M0
A15	M	56	Liver	Hepatocellular carcinoma	II	T2N0M0
A16	M	56	Liver	Hepatocellular carcinoma	III	T2N0M0
A17	M	58	Liver	Hepatocellular carcinoma	II	T2N0M0
B01	M	48	Liver	Hepatocellular carcinoma	III	T2N0M0
B02	M	62	Liver	Hepatocellular carcinoma	I	T2N0M0
B03	F	42	Liver	Hepatocellular carcinoma	III	T2N0M0
B04	M	52	Liver	Hepatocellular carcinoma	II	T2N0M0
B05	M	55	Liver	Hepatocellular carcinoma	I	T2N0M0
B06	M	45	Liver	Hepatocellular carcinoma	III	T2N0M0
B07	M	38	Liver	Hepatocellular carcinoma	III	T2N0M0
B08	M	55	Liver	Hepatocellular carcinoma	II	T2N0M0
B09	M	45	Liver	Hepatocellular carcinoma	III	T2N0M0
B10	M	63	Liver	Hepatocellular carcinoma	II	T2N0M0
B11	M	48	Liver	Hepatocellular carcinoma	II	T2N0M0
B12	M	62	Liver	Hepatocellular carcinoma	II	T2N0M0
B13	F	49	Liver	Hepatocellular carcinoma	II	T2N0M0
B14	M	34	Liver	Hepatocellular carcinoma	II	T3N0M0
B15	M	56	Liver	Hepatocellular carcinoma	II	T2N0M0
B16	M	56	Liver	Hepatocellular carcinoma	III	T2N0M0
B17	M	58	Liver	Hepatocellular carcinoma	II	T2N0M0
C01	M	48	Liver	Uninvolved liver tissue of A01/B01	null	null
C02	M	62	Liver	Uninvolved liver tissue of A02/B02	null	null
C03	F	42	Liver	Uninvolved liver tissue of A03/B03	null	null
C04	M	52	Liver	Uninvolved liver tissue of A04/B04	null	null
C05	M	55	Liver	Uninvolved liver tissue of A05/B05	null	null
C06	M	45	Liver	Uninvolved liver tissue of A06/B06	null	null



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C07	M	38	Liver	Uninvolved liver tissue of A07/B07	null	null
C08	M	55	Liver	Uninvolved liver tissue of A08/B08	null	null
C09	M	45	Liver	Uninvolved liver tissue of A09/B09	null	null
C10	M	63	Liver	Uninvolved liver tissue of A10/B10	null	null
C11	M	48	Liver	Uninvolved liver tissue of A11/B11	null	null
C12	M	62	Liver	Uninvolved liver tissue of A12/B12	null	null
C13	F	49	Liver	Uninvolved liver tissue of A13/B13	null	null
C14	M	34	Liver	Uninvolved liver tissue of A14/B14	null	null
C15	M	56	Liver	Uninvolved liver tissue of A15/B15	null	null
C16	M	56	Liver	Uninvolved liver tissue of A16/B16	null	null
C17	M	58	Liver	Uninvolved liver tissue of A17/B17	null	null
D01	M	47	Liver	Hepatocellular carcinoma	II	T3N0M0
D02	M	46	Liver	Hepatocellular carcinoma	II	T3N0M0
D03	M	58	Liver	Hepatocellular carcinoma	II	T3N0M0
D04	M	50	Liver	Hepatocellular carcinoma	II	T3N0M0
D05	M	41	Liver	Hepatocellular carcinoma	II	T2N0M0
D06	M	37	Liver	Hepatocellular carcinoma	II	T3N0M0
D07	M	34	Liver	Hepatocellular carcinoma	II	T3N0M0
D08	M	57	Liver	Hepatocellular carcinoma	II	T3N0M0
D09	M	30	Liver	Hepatocellular carcinoma	II	T3N0M0
D10	M	45	Liver	Hepatocellular carcinoma	III	T2N0M0
D11	M	60	Liver	Hepatocellular carcinoma	II	T2N0M0
D12	M	43	Liver	Hepatocellular carcinoma	II	T3N0M0
D13	M	49	Liver	Hepatocellular carcinoma	II	T3N0M0
D14	M	54	Liver	Hepatocellular carcinoma	II	T2N0M0
D15	M	44	Liver	Hepatocellular carcinoma	II	T3N0M0
D16	M	57	Liver	Hepatocellular carcinoma	II	T2N0M0
D17	M	44	Liver	Hepatocellular carcinoma	II-III	T2N0M0
E01	M	47	Liver	Hepatocellular carcinoma	II	T3N0M0
E02	M	46	Liver	Hepatocellular carcinoma	II	T3N0M0
E03	M	58	Liver	Hepatocellular carcinoma	II	T3N0M0
E04	M	50	Liver	Hepatocellular carcinoma	II	T3N0M0
E05	M	41	Liver	Hepatocellular carcinoma	II	T2N0M0
E06	M	37	Liver	Hepatocellular carcinoma	II	T3N0M0
E07	M	34	Liver	Hepatocellular carcinoma	II	T3N0M0
E08	M	57	Liver	Hepatocellular carcinoma	II	T3N0M0
E09	M	30	Liver	Hepatocellular carcinoma	II	T3N0M0
E10	M	45	Liver	Hepatocellular carcinoma	III	T2N0M0
E11	M	60	Liver	Hepatocellular carcinoma	II	T2N0M0
E12	M	43	Liver	Hepatocellular carcinoma	II	T3N0M0
E13	M	49	Liver	Hepatocellular carcinoma	II	T3N0M0
E14	M	54	Liver	Hepatocellular carcinoma	II	T2N0M0
E15	M	44	Liver	Hepatocellular carcinoma	II	T3N0M0
E16	M	57	Liver	Hepatocellular carcinoma	II	T2N0M0
E17	M	44	Liver	Hepatocellular carcinoma	II-III	T2N0M0
F01	M	47	Liver	Uninvolved liver tissue of D01/E01	null	null
F02	M	46	Liver	Uninvolved liver tissue of D02/E02	null	null
F03	M	58	Liver	Uninvolved liver tissue of D03/E03	null	null
F04	M	50	Liver	Uninvolved liver tissue of D04/E04	null	null
F05	M	41	Liver	Uninvolved liver tissue of D05/E05	null	null
F06	M	37	Liver	Uninvolved liver tissue of D06/E06	null	null
F07	M	34	Liver	Uninvolved liver tissue of D07/E07	null	null
F08	M	57	Liver	Uninvolved liver tissue of D08/E08	null	null
F09	M	30	Liver	Uninvolved liver tissue of D09/E09	null	null
F10	M	45	Liver	Uninvolved liver tissue of D10/E10	null	null
F11	M	60	Liver	Uninvolved liver tissue of D11/E11	null	null
F12	M	43	Liver	Uninvolved liver tissue of D12/E12	null	null
F13	M	49	Liver	Uninvolved liver tissue of D13/E13	null	null
F14	M	54	Liver	Uninvolved liver tissue of D14/E14	null	null
F15	M	44	Liver	Uninvolved liver tissue of D15/E15	null	null
F16	M	57	Liver	Uninvolved liver tissue of D16/E16	null	null



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F17	M	44	Liver	Uninvolved liver tissue of D17/E17	null	null
G01	M	54	Liver	Hepatocellular carcinoma	II	T2N0M0
G02	F	63	Liver	Hepatocellular carcinoma	II	T2N0M0
G03	M	45	Liver	Hepatocellular carcinoma	II	T2N0M0
G04	M	46	Liver	Hepatocellular carcinoma	II	T2N0M0
G05	M	55	Liver	Hepatocellular carcinoma	II-III	T2N0M0
G06	M	54	Liver	Hepatocellular carcinoma	II	T2N0M0
G07	M	53	Liver	Hepatocellular carcinoma	II	T2N0M0
G08	M	64	Liver	Hepatocellular carcinoma	II-III	T2N0M0
G09	M	42	Liver	Hepatocellular carcinoma	II	T2N0M0
G10	M	40	Liver	Hepatocellular carcinoma	II	T2N0M0
G11	M	47	Liver	Hepatocellular carcinoma	I	T2N0M0
G12	M	60	Liver	Hepatocellular carcinoma	II	T2N0M0
G13	M	51	Liver	Hepatocellular carcinoma	II	T2N0M0
G14	M	40	Liver	Hepatocellular carcinoma	II-III	T2N0M0
G15	M	46	Liver	Hepatocellular carcinoma	II	T2N0M0
G16	M	30	Liver	Hepatocellular carcinoma	II	T2N0M0
G17	M	42	Liver	Hepatocellular carcinoma	II	T2N0M0
H01	M	54	Liver	Hepatocellular carcinoma	II	T2N0M0
H02	F	63	Liver	Hepatocellular carcinoma	II	T2N0M0
H03	M	45	Liver	Hepatocellular carcinoma	II	T2N0M0
H04	M	46	Liver	Hepatocellular carcinoma	II	T2N0M0
H05	M	55	Liver	Hepatocellular carcinoma	II-III	T2N0M0
H06	M	54	Liver	Hepatocellular carcinoma	II	T2N0M0
H07	M	53	Liver	Hepatocellular carcinoma	II	T2N0M0
H08	M	64	Liver	Hepatocellular carcinoma	II-III	T2N0M0
H09	M	42	Liver	Hepatocellular carcinoma	II	T2N0M0
H10	M	40	Liver	Hepatocellular carcinoma	II	T2N0M0
H11	M	47	Liver	Hepatocellular carcinoma	I	T2N0M0
H12	M	60	Liver	Hepatocellular carcinoma	II	T2N0M0
H13	M	51	Liver	Hepatocellular carcinoma	II	T2N0M0
H14	M	40	Liver	Hepatocellular carcinoma	II-III	T2N0M0
H15	M	46	Liver	Hepatocellular carcinoma	II	T2N0M0
H16	M	30	Liver	Hepatocellular carcinoma	II	T2N0M0
H17	M	42	Liver	Hepatocellular carcinoma	II	T2N0M0
I01	M	54	Liver	Uninvolved liver tissue of G01/H01	null	null
I02	F	63	Liver	Uninvolved liver tissue of G02/H02	null	null
I03	M	45	Liver	Uninvolved liver tissue of G03/H03	null	null
I04	M	46	Liver	Uninvolved liver tissue of G04/H04	null	null
I05	M	55	Liver	Uninvolved liver tissue of G05/H05	null	null
I06	M	54	Liver	Uninvolved liver tissue of G06/H06	null	null
I07	M	53	Liver	Uninvolved liver tissue of G07/H07	null	null
I08	M	64	Liver	Uninvolved liver tissue of G08/H08	null	null
I09	M	42	Liver	Uninvolved liver tissue of G09/H09	null	null
I10	M	40	Liver	Uninvolved liver tissue of G10/H10	null	null
I11	M	47	Liver	Uninvolved liver tissue of G11/H11	null	null
I12	M	60	Liver	Uninvolved liver tissue of G12/H12	null	null
I13	M	51	Liver	Uninvolved liver tissue of G13/H13	null	null
I14	M	40	Liver	Uninvolved liver tissue of G14/H14	null	null
I15	M	46	Liver	Uninvolved liver tissue of G15/H15	null	null
I16	M	30	Liver	Uninvolved liver tissue of G16/H16	null	null
I17	M	42	Liver	Uninvolved liver tissue of G17/H17	null	null

Notes: Bake at 60C for ~60 minutes before use. If antigen retrieving is needed, it is important to avoid **direct-boiling and high pH or high strength** antigen retrieving buffer. For availability of complimentary IHC data, please contact us at info@pantomics.com.



Certified by: Fancai Li, M.D.

TNM Classification: Liver carcinoma

T- Primary tumor

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

T1 - Solitary tumor without vascular invasion

T2 - Solitary tumor with vascular invasion or multiple tumors none larger than 5cm

T3 - Multiple tumors more than 5 cm, or tumor involving a major branch of the portal or hepatic vein(s)

T4 - Tumor(s) with direct invasion of adjacent organs other than the gallbladder or with perforation of visceral peritoneum

N - Regional lymph nodes

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Regional lymph node metastasis

M - Distant metastasis

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis