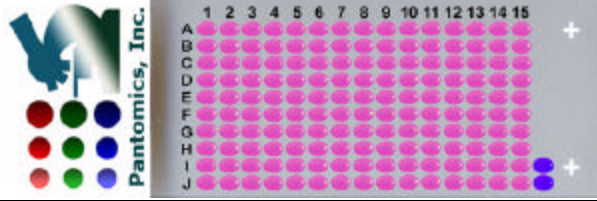




Cat No: REC1502 – Rectal cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
REC150201	150	1.1mm	4um	10X15	H&E, IHC anti- Cytokeratin



Recommended applications: For Research use only. RNA or protein rectal cancer/non-tumor tissue profiling using IHC or ISH; Antibody characterization.

Description: Rectal cancer tissue array, 2nd set, 150 cores, non-overlapping with REC1501 or REC1503, including 75 cases of normal, reactive and cancerous (different grades & stages) tissues of the rectum in duplicates. 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 all have a guaranteed six months' shelf-life at 4C from the date of shipment. Each slide has >95% tissue core retention.

Array position	Age	Sex	Anatomic site	Histology	Grade	Stage (TNM)
A1,B1	57	M	Rectum	Normal		
A2,B2	68	M	Rectum	Adenoma		
A3,B3	31	M	Rectum	Adenoma		
A4,B4	50	M	Rectum	Adenoma		
A5,B5	64	F	Rectum	Adenoma		
A6,B6	57	M	Rectum	Adenocarcinoma	I	T3N0M0
A7,B7	56	M	Rectum	Adenocarcinoma	II	T2N0M0
A8,B8	72	M	Rectum	Adenocarcinoma	II	T2N0M0
A9,B9	43	M	Rectum	Adenocarcinoma	II	T2N0M0
A10,B10	68	M	Rectum	Adenocarcinoma	I~II	T2N0M0
A11,B11	67	M	Rectum	Adenocarcinoma	I~II	T3N0M0
A12,B12	44	M	Rectum	Mucinous adenocarcinoma		T2N0M0
A13,B13	67	F	Rectum	Adenocarcinoma	II	T2N0M0
A14,B14	55	M	Rectum	Adenocarcinoma	II	T3N0MX
A15,B15	70	M	Rectum	Adenocarcinoma	I~II	T3N0M0
C1,D1	59	M	Rectum	Adenocarcinoma	II	T2N0M0
C2,D2	44	F	Rectum	Adenocarcinoma	II	T2N0M0
C3,D3	65	M	Rectum	Adenocarcinoma	II	T3N0M0
C4,D4	73	F	Rectum	Adenocarcinoma	I	T2N0M0
C5,D5	72	F	Rectum	Adenocarcinoma	II	T3N2M0
C6,D6	58	M	Rectum	Papillary adenocarcinoma		T3N1M0
C7,D7	66	M	Rectum	Papillary adenocarcinoma		T3N0M0
C8,D8	67	M	Rectum	Adenocarcinoma	II	T3N1M0
C9,D9	59	M	Rectum	Adenocarcinoma	I~II	T2N0M0
C10,D10	45	F	Rectum	Adenocarcinoma	III	T3N2M0
C11,D11	39	F	Rectum	Adenocarcinoma	III	T3N2M0
C12,D12	47	M	Rectum	Adenocarcinoma	II	T3N1M0
C13,D13	63	F	Rectum	Adenocarcinoma	I~II	T2N0M0
C14,D14	54	M	Rectum	Papillary adenocarcinoma		T1N0M0
C15,D15	52	M	Rectum	Adenocarcinoma	III	T2N0M0
E1,F1	54	M	Rectum	Adenocarcinoma	II	T2N0M0
E2,F2	71	F	Rectum	Adenocarcinoma	II~III	T3N0M0
E3,F3	62	M	Rectum	Adenocarcinoma	II	T2N0M0
E4,F4	70	F	Rectum	Adenocarcinoma	II	T3N0M0
E5,F5	58	M	Rectum	Adenocarcinoma	II	T3N2M0



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E6,F6	65	M	Rectum	Adenocarcinoma	II	T2N0M0
E7,F7	73	M	Rectum	Adenocarcinoma	II	T2N1M0
E8,F8	42	F	Rectum	Adenocarcinoma	II	T3N1M0
E9,F9	61	M	Rectum	Adenocarcinoma	II	T2N0M0
E10,F10	55	M	Rectum	Adenocarcinoma	II	T3N1M1
E11,F11	50	M	Rectum	Undifferentiated carcinoma		T3N0M0
E12,F12	74	M	Rectum	Adenocarcinoma	II	T2N0M0
E13,F13	59	M	Rectum	Adenocarcinoma	II	T1N0M0
E14,F14	52	M	Rectum	Adenocarcinoma	II	T2N0M0
E15,F15	64	M	Rectum	Adenocarcinoma	II	T2N0M0
G1,H1	48	M	Rectum	Adenocarcinoma	II ~ III	T2N0M0
G2,H2	53	M	Rectum	Adenocarcinoma	II	T2N0M0
G3,H3	53	M	Rectum	Mucinous adenocarcinoma		T2N1M0
G4,H4	42	M	Rectum	Adenocarcinoma	III	T2N0M0
G5,H5	72	F	Rectum	Adenocarcinoma	II	T3N0M0
G6,H6	50	M	Rectum	Adenocarcinoma	II	T3N0M0
G7,H7	68	M	Rectum	Adenocarcinoma	II	T2N0M0
G8,H8	65	M	Rectum	Adenocarcinoma	II	T3N0M0
G9,H9	50	M	Rectum	Adenocarcinoma	II ~ III	T3N0M0
G10,H10	37	M	Rectum	Adenocarcinoma	II	T2N0M0
G11,H11	42	M	Rectum	Adenocarcinoma	II	T2N0M0
G12,H12	52	M	Rectum	Adenocarcinoma	II ~ III	T3N0M0
G13,H13	36	M	Rectum	Adenocarcinoma	II	T3N1M0
G14,H14	66	F	Rectum	Adenocarcinoma	II	T3N0M0
G15,H15	54	M	Rectum	Adenocarcinoma	I	T3N0M0
I1,J1	40	F	Rectum	Adenocarcinoma	II	T3N0M0
I2,J2	43	F	Rectum	Adenocarcinoma	II	T3N0M0
I3,J3	68	F	Rectum	Adenocarcinoma	III	T2N0M0
I4,J4	51	F	Rectum	Adenocarcinoma	II	T3N1M0
I5,J5	63	M	Rectum	Papillary adenocarcinoma		T1N0M0
I6,J6	73	F	Rectum	Adenocarcinoma	I ~ II	T2N1M0
I7,J7	75	M	Rectum	Adenocarcinoma	II	T2N1M0
I8,J8	45	M	Rectum	Adenocarcinoma	II	T3N0M0
I9,J9	49	M	Rectum	Papillary adenocarcinoma		T2N0M0
I10,J10	34	F	Rectum	Signet ring cell carcinoma		T3N0M0
I11,J11	73	M	Rectum	Papillary adenocarcinoma		T2N1M0
I12,J12	68	F	Rectum	Adenocarcinoma	II	T2N0M0
I13,J13	66	M	Rectum	Adenocarcinoma	II	T2N1M0
I14,J14	58	M	Rectum	Adenocarcinoma	I	T1N0M0
I15,J15	66	M	Rectum	Adenocarcinoma	II	T2N0M0

Notes: Bake at 60C for 30 minutes before use. If antigen retrieving is needed, it is always a good idea to start with a protocol with weak to mild strength.

Certified by: Langxing Pan, M.D.



TNM Classification: Colon and Rectum Carcinoma

T - Primary tumor

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

Tis - Carcinoma in situ; intraepithelial or invasion of lamina propria

T1 - Tumor invades submucosa

T2 - Tumor invades muscularis propria

T3 - Tumor invades through muscularis propria into subserosa or into non-peritonealized pericolic or perirectal tissues.

T4 - Tumor directly invades other organs or structures and/or perforate visceral peritoneum

N - Regional lymph nodes

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Metastasis in 1 to 3 regional lymph nodes

N2 - metastasis in 4 or more regional lymph nodes

M - Distant metastasis

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis