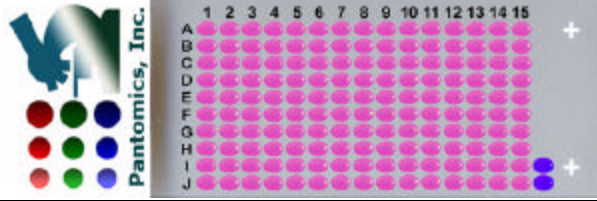




Cat No: REC1503 – Rectal cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
REC150301	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 REC1502, 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	74	M	Rectum	Normal		
A2,B2	43	M	Rectum	Normal		
A3,B3	7	F	Rectum	Adenoma		
A4,B4	62	M	Rectum	Adenoma		
A5,B5	77	M	Rectum	Adenoma		
A6,B6	59	M	Rectum	Adenocarcinoma	I~II	T2N0M0
A7,B7	32	M	Rectum	Adenocarcinoma	II	T3N1M0
A8,B8	74	M	Rectum	Papillary adenocarcinoma		T2N0M0
A9,B9	62	M	Rectum	Adenocarcinoma	II~III	T3N1M0
A10,B10	57	F	Rectum	Adenocarcinoma	II	T2N0M0
A11,B11	83	M	Rectum	Adenocarcinoma	II	T3N1M0
A12,B12	33	M	Rectum	Adenocarcinoma	II	T3N1M0
A13,B13	52	M	Rectum	Adenocarcinoma	II	T3N0M0
A14,B14	39	F	Rectum	Adenocarcinoma	I~II	T2N0M0
A15,B15	69	M	Rectum	Adenocarcinoma	II	T3N1M0
C1,D1	65	F	Rectum	Adenocarcinoma	II	T3N1M0
C2,D2	66	M	Rectum	Adenocarcinoma	II	T3N1M0
C3,D3	60	F	Rectum	Adenocarcinoma	I~II	T3N1M0
C4,D4	79	F	Rectum	Adenocarcinoma	II	T3N0M0
C5,D5	49	M	Rectum	Adenocarcinoma	I~II	T2N0M0
C6,D6	30	F	Rectum	Adenocarcinoma	III	T3N1M0
C7,D7	56	F	Rectum	Adenocarcinoma	I~II	T3N1M0
C8,D8	45	F	Rectum	Adenocarcinoma	I~II	T2N0M0
C9,D9	50	M	Rectum	Adenocarcinoma	I~II	T3N1M0
C10,D10	70	F	Rectum	Adenocarcinoma	I	T2N1M0
C11,D11	64	F	Rectum	Adenocarcinoma	I~II	T1N0M0
C12,D12	51	F	Rectum	Adenocarcinoma	II	T3N0M0
C13,D13	67	M	Rectum	Adenocarcinoma	I~II	T2N0M0
C14,D14	73	F	Rectum	Adenocarcinoma	I~II	T3N1M0
C15,D15	62	F	Rectum	Adenocarcinoma	I~II	T2N0M0
E1,F1	49	F	Rectum	Stromal cell tumor		
E2,F2	51	M	Rectum	Adenocarcinoma	I~II	T3N1M0
E3,F3	67	M	Rectum	Adenocarcinoma	I~II	T3N0M0
E4,F4	53	F	Rectum	Mucinous adenocarcinoma		T3N0M0
E5,F5	58	M	Rectum	Adenocarcinoma	II	T2N0M0



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E6,F6	79	M	Rectum	Adenocarcinoma	I	T2N0M0
E7,F7	69	M	Rectum	Adenocarcinoma	I~II	T3N0M0
E8,F8	36	M	Rectum	Adenocarcinoma	I~II	T3N1M0
E9,F9	78	M	Rectum	Adenocarcinoma	I~II	T3N0M0
E10,F10	43	M	Rectum	Adenocarcinoma	II	T2N0M0
E11,F11	72	M	Rectum	Adenocarcinoma	I~II	T1N0M0
E12,F12	66	M	Rectum	Adenocarcinoma	I~II	T3N0M0
E13,F13	62	M	Rectum	Adenocarcinoma	II	T2N0M0
E14,F14	38	F	Rectum	Adenocarcinoma	I~II	T2N0M0
E15,F15	65	M	Rectum	Adenocarcinoma	II	T3N1M0
G1,H1	63	M	Rectum	Adenocarcinoma	II~III	T3N1M0
G2,H2	73	M	Rectum	Adenocarcinoma	II	T2N0M0
G3,H3	79	M	Rectum	Adenocarcinoma	II	T2N0M0
G4,H4	73	F	Rectum	Adenocarcinoma	II	
G5,H5	79	M	Rectum	Adenocarcinoma	I~II	T2N0M0
G6,H6	75	M	Rectum	Adenocarcinoma	II	T2N0M0
G7,H7	40	M	Rectum	Adenocarcinoma	I~II	
G8,H8	62	M	Rectum	Adenocarcinoma	II	T3N1M0
G9,H9	56	F	Rectum	Adenocarcinoma	II	T2N0M0
G10,H10	41	F	Rectum	Adenocarcinoma	II	
G11,H11	54	M	Rectum	Adenocarcinoma	II	T3N1M0
G12,H12	56	M	Rectum	Adenocarcinoma	II	T3N2M0
G13,H13	48	M	Rectum	Adenocarcinoma	I~II	
G14,H14	64	M	Rectum	Adenocarcinoma	II	T3N1M0
G15,H15	70	M	Rectum	Adenocarcinoma	II	T3N2M0
I1,J1	55	M	Rectum	Adenocarcinoma	I~II	
I2,J2	50	F	Rectum	Adenocarcinoma	II~III	
I3,J3	86	M	Rectum	Adenocarcinoma	II	
I4,J4	66	F	Rectum	Adenocarcinoma	II	
I5,J5	49	F	Rectum	Carcinoid		
I6,J6	51	M	Rectum	Adenocarcinoma	I~II	T3N2M0
I7,J7	39	M	Rectum	Adenocarcinoma	I~II	T2N0M0
I8,J8	78	M	Rectum	Adenocarcinoma	II	
I9,J9	53	F	Rectum	Adenocarcinoma	II	
I10,J10	63	M	Rectum	Adenocarcinoma	II	
I11,J11	50	F	Rectum	Adenocarcinoma	II	
I12,J12	78	M	Rectum	Adenocarcinoma	I~II	
I13,J13	53	F	Rectum	Adenocarcinoma	II	
I14,J14	65	M	Rectum	Adenocarcinoma	II-III	
I15,J15	58	M	Rectum	Adenocarcinoma	III	

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