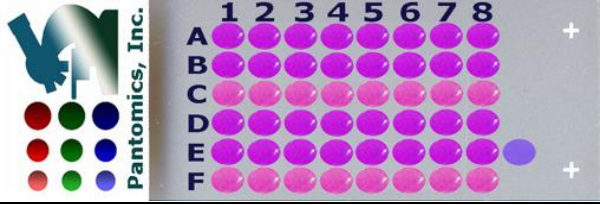




Cat No: REC483 – Rectal paired cancer/normal tissue array, set 3

Lot#	Cores	Size	Cut	Format	QA/QC
REC48301	48	2.0mm	4um	6X8	H&E, IHC anti-Cytokeratin



Recommended Application: For research use only. Designed for normal vs cancer IHC or ISH based protein or RNA tissue profiling in rectum cancers.

Description: Rectum cancer tissue array, set 3, 16 cases, 48 cores, non-overlapping with REC481 and REC482, 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	62	Intestine, rectum	Adenocarcinoma	I	T3N0M0
A02	M	73	Intestine, rectum	Papillary adenocarcinoma	I	T2N0M0
A03	M	88	Intestine, rectum	Adenocarcinoma	I	T2N2M0
A04	F	48	Intestine, rectum	Adenocarcinoma	I	T1N0M0
A05	M	39	Intestine, rectum	Adenocarcinoma	I	T2N0M0
A06	M	43	Intestine, rectum	Adenocarcinoma	II	T2N0M0
A07	F	70	Intestine, rectum	Adenocarcinoma	II	T3N0M0
A08	M	53	Intestine, rectum	Adenocarcinoma	II	T3N2M0
B01	M	62	Intestine, rectum	Adenocarcinoma	I	T3N0M0
B02	M	73	Intestine, rectum	Papillary adenocarcinoma	I	T2N0M0
B03	M	88	Intestine, rectum	Adenocarcinoma	I	T2N2M0
B04	F	48	Intestine, rectum	Adenocarcinoma	I	T1N0M0
B05	M	39	Intestine, rectum	Adenocarcinoma	I	T2N0M0
B06	M	43	Intestine, rectum	Adenocarcinoma	II	T2N0M0
B07	F	70	Intestine, rectum	Adenocarcinoma	II	T3N0M0
B08	M	53	Intestine, rectum	Adenocarcinoma	II	T3N2M0
C01	M	62	Intestine, rectum	Uninvolved rectum tissue of A01, B01	null	null
C02	M	73	Intestine, rectum	Uninvolved rectum tissue of A02, B02	null	null
C03	M	88	Intestine, rectum	Uninvolved rectum tissue of A03, B03	null	null
C04	F	48	Intestine, rectum	Uninvolved rectum tissue of A04, B04	null	null
C05	M	39	Intestine, rectum	Uninvolved rectum tissue of A05, B05	null	null
C06	M	43	Intestine, rectum	Uninvolved rectum tissue of A06, B06	null	null
C07	F	70	Intestine, rectum	Uninvolved rectum tissue of A07, B07	null	null
C08	M	53	Intestine, rectum	Uninvolved rectum tissue of A08, B08	null	null
D01	M	58	Intestine, rectum	Adenocarcinoma	II	T3N0M0
D02	M	54	Intestine, rectum	Adenocarcinoma	II	T3N0M0
D03	F	61	Intestine, rectum	Adenocarcinoma	III	T3N0M0
D04	M	41	Intestine, rectum	Adenocarcinoma	III	T4N2M0
D05	F	63	Intestine, rectum	Adenocarcinoma	III	T3N1M0
D06	M	70	Intestine, rectum	Adenocarcinoma	III	T3N1M0
D07	F	58	Intestine, rectum	Adenocarcinoma	III	T3N2M0
D08	F	59	Intestine, rectum	Adenocarcinoma	III	T3N0M0
E01	M	58	Intestine, rectum	Adenocarcinoma	II	T3N0M0
E02	M	54	Intestine, rectum	Adenocarcinoma	II	T3N0M0
E03	F	61	Intestine, rectum	Adenocarcinoma	III	T3N0M0
E04	M	41	Intestine, rectum	Adenocarcinoma	III	T4N2M0
E05	F	63	Intestine, rectum	Adenocarcinoma	III	T3N1M0
E06	M	70	Intestine, rectum	Adenocarcinoma	III	T3N1M0
E07	F	58	Intestine, rectum	Adenocarcinoma	III	T3N2M0



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E08	F	59	Intestine, rectum	Adenocarcinoma	III	T3N0M0
F01	M	58	Intestine, rectum	Uninvolved rectum tissue of D01, E01	null	null
F02	M	54	Intestine, rectum	Uninvolved rectum tissue of D02, E02	null	null
F03	F	61	Intestine, rectum	Uninvolved rectum tissue of D03, E03	null	null
F04	M	41	Intestine, rectum	Uninvolved rectum tissue of D04, E04	null	null
F05	F	63	Intestine, rectum	Uninvolved rectum tissue of D05, E05	null	null
F06	M	70	Intestine, rectum	Uninvolved rectum tissue of D06, E06	null	null
F07	F	58	Intestine, rectum	Uninvolved rectum tissue of D07, E07	null	null
F08	F	59	Intestine, rectum	Uninvolved rectum tissue of D08, E08	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: 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