



Cat No: **COC483** – Colon cancer/adjacent uninvolved tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
COC48301	48	2mm	4um	6X8	H&E, IHC anti-Cytokeratin

**Recommended applications:** For Research use only. Designed for colon normal vs cancer RNA or protein tissue profiling using IHC or ISH. Duplicated tumor tissues from each case are arrayed to minimize heterogeneity.

**Description:** 16 cases of colon cancer (purple), non-overlapping with COC481, COC482, each in duplicates, with corresponding uninvolved tissue (pink) from the same patient as control.

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	59	Colon	Adenocarcinoma	I~II	T2N1M1
A02	M	56	Colon	Adenocarcinoma	II	T3N1M0
A03	F	42	Colon	Adenocarcinoma	II	T3N0M0
A04	F	86	Colon	Adenocarcinoma	II	T3N0M0
A05	M	79	Colon	Adenocarcinoma	II	T3N0M0
A06	M	52	Colon	Adenocarcinoma	II	T2N0M0
A07	M	46	Colon	Adenocarcinoma	II	T3N2M0
A08	M	68	Colon	Adenocarcinoma	II	T3N0M0
B01	M	59	Colon	Adenocarcinoma	I~II	T2N1M1
B02	M	56	Colon	Adenocarcinoma	II	T3N1M0
B03	F	42	Colon	Adenocarcinoma	II	T3N0M0
B04	F	86	Colon	Adenocarcinoma	II	T3N0M0
B05	M	79	Colon	Adenocarcinoma	II	T3N0M0
B06	M	52	Colon	Adenocarcinoma	II	T2N0M0
B07	M	46	Colon	Adenocarcinoma	II	T3N2M0
B08	M	68	Colon	Adenocarcinoma	II	T3N0M0
C01	M	59	Colon	Uninvolved colon tissue of A1, B1	null	null
C02	M	56	Colon	Uninvolved colon tissue of A2, B2	null	null
C03	F	42	Colon	Uninvolved colon tissue of A3, B3	null	null
C04	F	86	Colon	Uninvolved colon tissue of A4, B4	null	null
C05	M	79	Colon	Uninvolved colon tissue of A5, B5	null	null
C06	M	52	Colon	Uninvolved colon tissue of A6, B6	null	null
C07	M	46	Colon	Uninvolved colon tissue of A7, B7	null	null
C08	M	68	Colon	Uninvolved colon tissue of A8, B8	null	null
D01	F	57	Colon	Adenocarcinoma	II	T3N0M0
D02	F	76	Colon	Adenocarcinoma	II~III	T2N0M0
D03	M	49	Colon	Adenocarcinoma	II~III	T3N0M0
D04	M	57	Colon	Mucinous adenocarcinoma	null	T3N1M0
D05	M	77	Colon	Signet ring cell carcinoma	null	T3N2M0
D06	M	35	Colon	Signet ring cell carcinoma	null	T3N0M0
D07	M	57	Colon	Squamous cell carcinoma	II	T3N0M0
D08	M	73	Colon	Carcinoid	null	T3N0M0
E01	F	57	Colon	Adenocarcinoma	II	T3N0M0
E02	F	76	Colon	Adenocarcinoma	II~III	T2N0M0
E03	M	49	Colon	Adenocarcinoma	II~III	T3N0M0
E04	M	57	Colon	Mucinous adenocarcinoma	null	T3N1M0
E05	M	77	Colon	Signet ring cell carcinoma	null	T3N2M0
E06	M	35	Colon	Signet ring cell carcinoma	null	T3N0M0
E07	M	57	Colon	Squamous cell carcinoma	II	T3N0M0



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E08	M	73	Colon	Carcinoid	null	T3N0M0
F01	F	57	Colon	Uninvolved colon tissue of D1, E1	null	null
F02	F	76	Colon	Uninvolved colon tissue of D2, E2	null	null
F03	M	49	Colon	Uninvolved colon tissue of D3, E3	null	null
F04	M	57	Colon	Uninvolved colon tissue of D4, E4	null	null
F05	M	77	Colon	Uninvolved colon tissue of D5, E5	null	null
F06	M	35	Colon	Uninvolved colon tissue of D6, E6	null	null
F07	M	57	Colon	Uninvolved colon tissue of D7, E7	null	null
F08	M	73	Colon	Uninvolved colon tissue of D8, E8	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](mailto:info@pantomics.com).

**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



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**M - Distant metastasis**

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis