

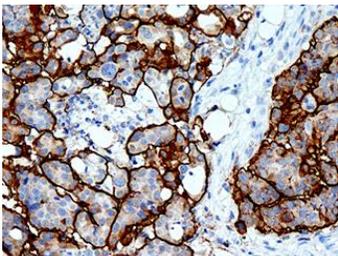
# Medaysis

## Ovarian Cancer Markers

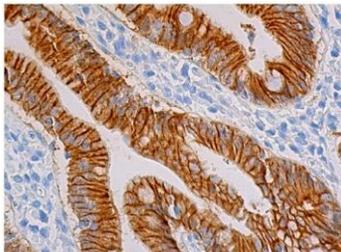


Ovarian cancer is the most lethal of the gynecologic malignancies. It is the eighth most commonly occurring cancer in women and the eighteenth most commonly occurring cancer overall. There were nearly 300,000 new cases and 140,000 deaths each year. The 5-year survival rate is less than 25% for women with a diagnosis of advanced stage disease (stage III or IV) despite aggressive treatment with surgery and adjuvant chemotherapy.

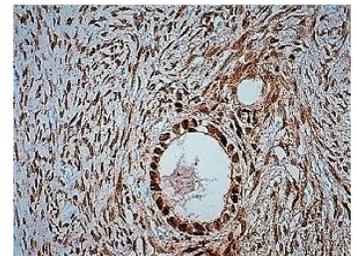
World Cancer Research Fund



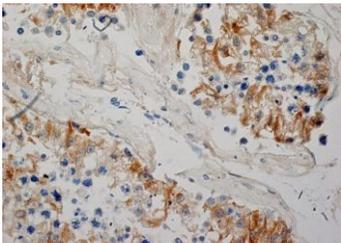
FFPE human ovarian cancer stained with anti-CA125 [EP48]



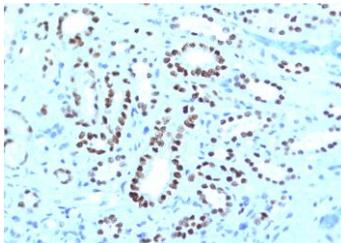
FFPE human small intestine tissue stained with anti-Cadherin-L1 [H1]



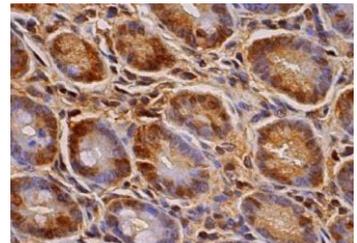
FFPE human ovary tissue stained with anti-GATA4 [G4]



FFPE human testis stained with anti-Inhibin Alpha [R1]



FFPE human RCC stained with anti-PAX8 [PAX8/1491&1492]



FFPE human colon stained with anti-SMAD4 (DPC4) [B-8]

## Ovarian Cancer Markers

Name	Cat. No.	Application
Actin Smooth Muscle $\alpha$ [EP188]	RM0003	Higher expression in malignant ovarian neoplasm cells compared with that in benign tumors
AFP [C3]	MC0605	A panel of CA125, inhibin, AFP and $\beta$ hCG (+) can be used to identify ovarian germ cell cancer
AFP [EP209]	RM0001	
AFP [FETA/810]	MC0606	
CA125/MUC16 [EP48]	RM0011	May be useful marker for epithelial ovarian neoplasms of serous, endometrioid, clear cell and undifferentiated types and differentiation from mucinous ovarian tumors or in germ cell or hematopoietic tumors
Cadherin-LI/CDH17 [E86]	RM0118	Overexpression of CDH17 with underexpression of CDX2 correlates to poor prognosis of epithelial ovarian cancer
Cadherin-LI/CDH17 [H1]	MC0196	
Calretinin [SP13]	RM0223	A panel of inhibin, WT-1 and calretinin can be used to identify granulosa/Sertoli ovarian tumor
Calretinin Polyclonal	RC0034	
Catenin Beta [EP35]	RM0008	A panel of HNF1- $\beta$ and catenin $\beta$ (+) and ER, WT1 (-) and typically lack p53 unless high grade can be used to identify clear cell ovarian cancer
CD99 [12E7+MIC2/877]	MC0709	Expressed on the cell membrane of some lymphocytes, cortical thymocytes, and granulosa cells of the ovary
CD99 [EP8]	RM0057	
CDX2 [EP25]	RM0059	A sensitive marker for colonic carcinoma metastatic to the ovary and is more specific than CK20 as it is not expressed by serous and endometrioid carcinomas. CDX2 is also expressed in mucinous ovarian carcinomas but not expressed in normal gastric mucosa. CDX2 was reported to be advantageous over CK20 for distinguishing primary ovarian tumors from metastases of upper gastrointestinal tract origin
CK7 [EP16]	RM0085	A panel of CK7, CK 20 (weak, focal), CDX2 (weak, focal), SMAD4 (+) and ER, WT1 (not diffusely positive), catenin $\beta$ , p16 (-) can be used to identify mucinous epithelial ovarian cancer
CK7 [OV-TL12/30]	MC0754	
CK20 [EP23]	RM0080	
CK20 [KRT20/1993]	MC0174	
CK20 [Ks20.8]	MC0114	
ER [1D5]	MC0335	A panel of p53, WT1, p16 and ER (+) can be used to identify serous-high grade ovarian tumor; a panel of WT1 and ER (+) can be used to identify serous-low grade ovarian tumor
ER [EP1]	RM0092	
ER [MD4R]	RM0247	
ER [SP1]	RM0248	
FOXG1/BF-1 Polyclonal	RC0103	Overexpression contributes to TGF- $\beta$ resistance through inhibition of p21WAF1/CIP1 expression in ovarian cancer

## Ovarian Cancer Markers

Name	Cat. No.	Application
HCG beta [HCGb/54]	MC0797	A panel of CA125, inhibin, AFP and $\beta$ hCG (+) can be used to identify ovarian germ cell cancer
HNF1 Beta [EPR18644-37]	RM0250	A panel of HNF1- $\beta$ and catenin $\beta$ (+) and ER, WT1 (-) and typically lack p53 unless high grade can be used to identify clear cell ovarian cancer
Inhibin Alpha [R1]	MC0170	A panel of inhibin, WT1 and calretinin can be used to identify granulosa/Sertoli ovarian tumor
MDM2 [SMP14]	MC0548	May be a useful prognostic marker for clear cell ovarian carcinoma
MUC18/CD146 [EP54]	RM0026	Expression appears to associate with the carcinoma at advanced stages, may be utilized as a biomarker for predicting the malignant tendency of ovarian cancers
MUC18/CD146 [OJ79c]	MC0862	
p16/INK4a [2D9A12]	MC0198	A panel of p53, WT1, p16 and ER (+) can be used to identify serous-high grade ovarian tumor
p16/INK4a [G175-405]	MC0280	
p53 [BP-53-12]	MC0218	A panel of p53, WT1, p16 and ER (+) can be used to identify serous-high grade ovarian tumor
p53 [DO-7]	MC0219	
p53 [EP9]	RM0154	
PAX8 [MD11R]	RM0261	Highly expressed in ovarian cancers but not identified in normal ovary
PAX8 [PAX8/1491&1492]	MC0106	
PD-L1 [MD21R]	RM0324	Tumor PD-L1 expression in combination with intraepithelial CD8+ TILs infiltration has prognostic impact in patients with high grade serous ovarian cancer (HGSOC). These biomarkers may be useful for the stratification of patients
S100A1 [EP184]	RM0173	Promotes cell proliferation and migration and is associated with lymph node metastasis in ovarian cancer
SMAD4 (DPC4) [B-8]	MC0533	A panel of CK7, CK20 (weak, focal), CDX2 (weak, focal), SMAD4 (+) and ER, WT1 (not diffusely positive), catenin $\beta$ , p16 (-) can be used to identify mucinous epithelial ovarian cancer
WT1 [6F-H2]	MC0361	A panel of p53, WT1, p16 and ER (+) can be used to identify serous-high grade ovarian tumor; a panel of WT1 and ER (+) can be used to identify serous-low grade ovarian tumor
WT1 [EP122]	RM0196	

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