



PRODUCT FOCUS -- Tools for the Diagnosis of Ovarian Cancer

Ovarian cancer is one of several gynecologic malignancies, impacting about 300,000 women globally each year and is the leading cause of death among the five major gynecologic malignancies, which also include cervical, uterine, vaginal, and vulvar cancers. The five-year survival rate for women diagnosed with stage III or IV ovarian cancer is only 20 percent, but when detected early, can be as high as 95 percent. (*Mallet, M; Cancer Research Institute*)

The immunohistochemical use of ZETA IVD antibodies reveal the expression of biomarkers like p53, WT-1, PAX-8, CK7/CK20 profile, CEA (and others) and offer insight into tumor behavior, probable response to therapy, and overall patient outcome. Together, WT1 + PAX8 + p53 form a core panel for diagnosing high-grade serous ovarian carcinoma, often supplemented with CK7/CK20 and subtype-specific markers to refine classification. This combination provides both high sensitivity and specificity, making it the most reliable diagnostic IHC strategy for ovarian cancer.

Zeta Corporation offers recombinant RAbMono™ (Rabbit Monoclonal) and MonoMAb™ (Mouse Monoclonal) recombinant IVD antibodies researched and developed for the anatomic pathology market for Immunohistochemistry. Zeta is incorporating highly sensitive technology to develop many of these primary antibodies that are target-validated and characterized for IHC on FFPE tissue sections. Zeta provides 400+ IVD antibodies for cancer screening and diagnosis.

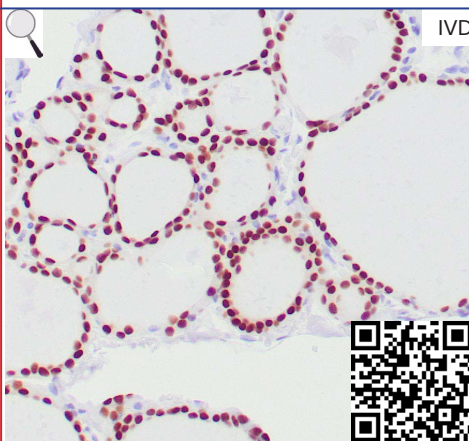
PAX-8 (clone ZR1)

Recombinant. PAX-8 is expressed in the thyroid, non-ciliated mucosal cells of the fallopian tubes and simple ovarian inclusion cysts, but not normal ovarian surface epithelial cells. PAX-8, combined with organ system-specific markers such as uroplakin, mammaglobin, and TTF-1 can be a very useful panel to determine the primary site of invasive micropapillary carcinomas of ovary from bladder, lung, and breast. ZR1 does not react with pancreatic neuroendocrine tumors... [\(more\)](#)

Species: Rabbit Monoclonal

Cat#: [Z2202](#)

IHC: Human thyroid gland stained with ZR1



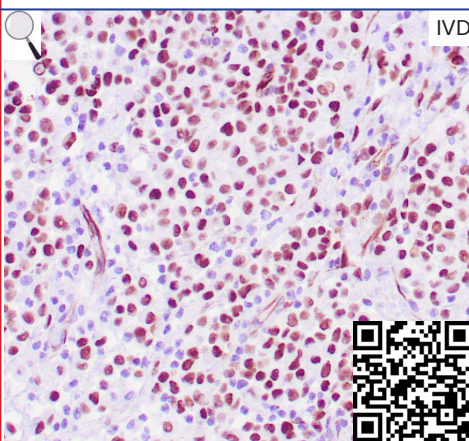
WT-1 (clone 6F-H2)

Recombinant. Wilm's Tumor Protein (WT-1) is expressed in a broad spectrum of tumors, including malignant mesothelioma, ovarian serous epithelial tumors and sex cord stromal tumors, astrocytoma, glioblastoma, benign and malignant vascular tumors and desmoplastic malignant melanoma. WT-1 expression is linked to poor prognosis of several tumors, including acute myeloid leukemia, pancreatic and colorectal cancers and astrocytoma. [\(more\)](#)

Species: Mouse Monoclonal

Cat#: [Z2124](#)

IHC: Human ovarian adenocarcinoma stained with 6F-H2



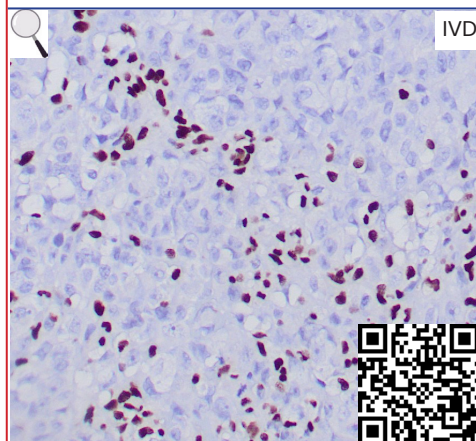
BRG1/SMARCA4 (clone ZR390)

Recombinant. Recognizes BRG1/SMARCA4, a protein that is mutated in multiple human tumors, including carcinoma of the ovary and uterine sarcoma. ZR390 can be useful to aid in the diagnosis of ovarian small cell carcinoma, hypercalcemic type (ovarian rhabdoid tumor), SMARCA4 deficient thoracic tumors, SMARCA4 deficient undifferentiated uterine sarcoma (malignant rhabdoid tumor of the uterus), SMARCA4 deficient undifferentiated malignant neoplasms arising at other anatomic locations, including the gastrointestinal tract and skin, and poorly... [\(more\)](#)

Species: Rabbit Monoclonal

Cat#: [Z2746](#)

IHC: Human ovarian small cell carcinoma stained with ZR390



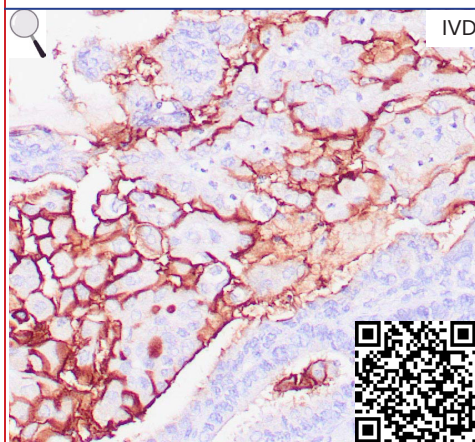
CA125/MUC16 (clone ZM53)

Recombinant. The Mucin 16 (MUC16/CA125) protein, encoded for by the gene MUC16, is a very high molecular weight tumor antigen consisting of three domains: a carboxy terminal domain, an extracellular domain and an amino terminal domain. Mucin 16 (MUC16/CA125), an ovarian cancer-associated antigen, is a marker to monitor the progress of epithelial ovarian cancer. CA125/MUC16 is a hydrophilic membrane-associated protein that may be involved in vitamin A functions. [\(more\)](#)

Species: Mouse Monoclonal

Cat#: [Z2363](#)

IHC: Human ovarian carcinoma stained with ZM53



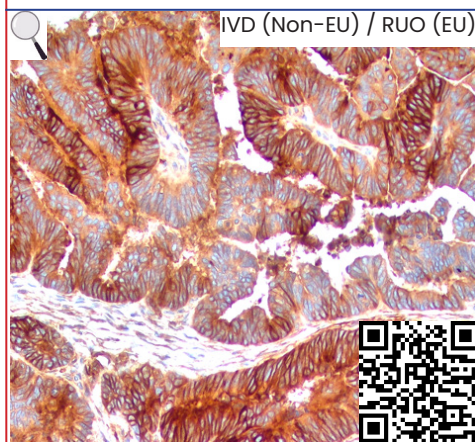
NEW! FOLR1 (clone ZR480)

Recombinant. FOLR1 is a tumor marker seen in various epithelial tumors, including high-grade serous ovarian carcinoma (HGSC), endometrial carcinomas (serous subtype), some non-small cell lung cancers (adenocarcinomas), and can help distinguish certain carcinomas from benign or other tumor types, as normal adult tissues generally show restricted expression (e.g., kidney, placenta, some epithelial linings). The tumor specificity of FOLR1 makes it a promising target for diagnosis and treatment strategies. [\(more\)](#)

Species: Rabbit Monoclonal

Cat#: [Z2850](#)

IHC: Human ovarian serous carcinoma stained with ZR480



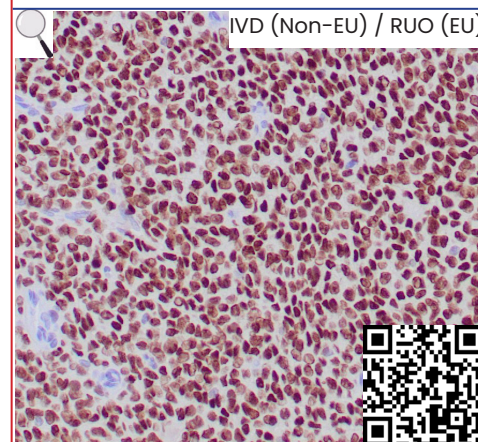
FOXL2 (clone ZR399)

Recombinant. FOXL2 is a critical factor essential for ovary differentiation and maintenance and repression of the genetic program for somatic testis determination. FOXL2 is one of first genes expressed in female gonad development, required for proper granulosa cell differentiation during folliculogenesis. FOXL2 expression is strongly maintained in granulosa cells throughout life. The FOXL2 antibody is generally used to diagnose sex cord-stromal tumors along with inhibin, calretinin, and SF-1. [\(more\)](#)

Species: Rabbit Monoclonal

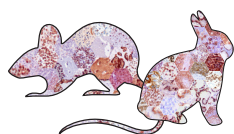
Cat#: [Z2755](#)

IHC: Human adult granulosa cell tumor stained with ZR399



Related Antibodies	Clone	Species	Cat. #
CA19-9	121SLE	Mouse	Z2072
CD56	123C3.D5	Mouse	Z2038
CD56	ZR421	Rabbit	Z2777
CEACAM5	ZR370	Rabbit	Z2661
CEA-M	CEA31	Mouse	Z2100
Cytokeratin 20	Ks20.8	Mouse	Z2065
Cytokeratin 20	ZM42	Mouse	Z2349
Cytokeratin 20	ZR429	Rabbit	Z2785
Cytokeratin 7	OV-TL-12/30	Mouse	Z2067
Cytokeratin 7	ZR428	Rabbit	Z2784
EP-CAM / ESA	MOC-31	Mouse	Z2162
EP-CAM / ESA	ZR307	Rabbit	Z2557

Related Antibodies	Clone	Species	Cat. #
GATA-3	ZR358	Rabbit	Z2742
GATA-3	L50-823	Mouse	Z2227
Mesothelin	ZM25	Mouse	Z2353
MUC-5AC	ZR19	Rabbit	Z2703
MUC-5AC	ZM148	Mouse	Z2461
Napsin A	ZR206	Rabbit	Z2705
Napsin-A	ZM11	Mouse	Z2294
p53	DO-7	Mouse	Z2029
p53	ZR153	Rabbit	Z2466
PAX-8	ZM28	Mouse	Z2357
TFE3	ZR365	Rabbit	Z2605



ZETA Corporation

Website: zeta-corp.com
Email: info@zeta-corp.com
Phone (US): (626) 355-2053
Fax (US): (626) 836-9149