

Target-validated IVD Antibodies for Anatomic Pathology



NEW PRODUCT FOCUS -- RAbMono™ September 2023 Releases

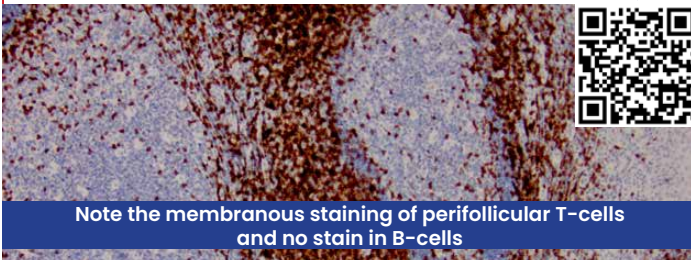
NEW CD3 (clone ZR414) IVD

Recognizes the epsilon chain of CD3, and is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). First detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. A highly specific marker for T cells and is present in the majority of T cell neoplasms. [\(more\)](#)

Species: Rabbit Monoclonal

Cat#: [Z2770](#)

IHC: Human lymph node stained with ZR414



Note the membranous staining of perifollicular T-cells and no stain in B-cells

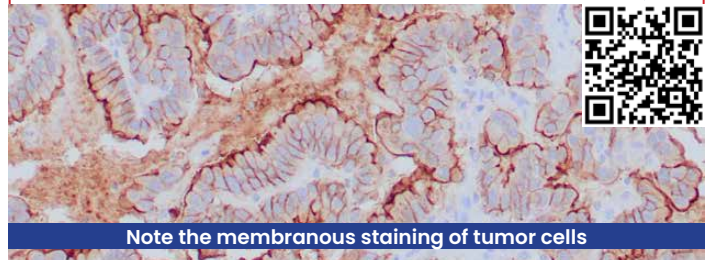
NEW Claudin 18.2 (clone ZR451) IVD

Claudins are located in epithelial and endothelial cells in all tight junction-bearing tissues. Emerging evidence suggests that the claudin family of proteins regulates transport through tight junctions via differential discrimination for solute size and charge. Claudin expression is often highly restricted to specific regions of different tissues and may have an important role in transcellular transport through tight junctions. [\(more\)](#)

Species: Rabbit Monoclonal

Cat#: [Z2807](#)

IHC: Gastric adenocarcinoma stained with ZR451



Note the membranous staining of tumor cells

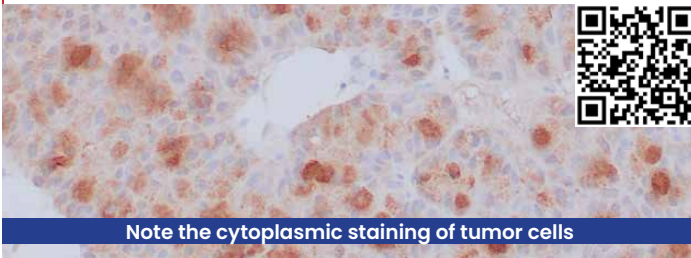
NEW CPA1 (clone ZR450) IVD

CPA1 uses zinc as a cofactor to catalyze the release of C-terminal amino acids from a variety of proteins, thereby playing a key role in protein digestion and degradation. Via its catalytic activity, CPA1 is also thought to be involved in zymogen (proenzyme) inhibition, probably functioning to block enzyme activation pathways. Abnormal levels of CPA1 are associated with pancreatic cancer, suggesting a possible role in either tumor progression or tumor suppression events. [\(more\)](#)

Species: Rabbit Monoclonal

Cat#: [Z2806](#)

IHC: Pancreatic acinar carcinoma stained with ZR450



Note the cytoplasmic staining of tumor cells

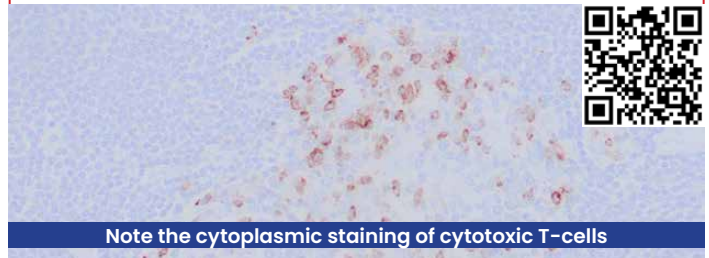
NEW CTLA-4 (clone ZR452) IVD

CTLA-4 is a negative regulator of T cell-mediated immune responses. It is constitutively expressed in T-regulatory cells, acting as an immune checkpoint inhibitor and downregulating T-cell activity. CTLA-4 has been shown to play a role in human diseases. CTLA-4 acts as a physiological brake on the activated immune system to maintain immune homeostasis. Several suppressive mechanisms for T-cell functions have been attributed to CTLA-4. [\(more\)](#)

Species: Rabbit Monoclonal

Cat#: [Z2808](#)

IHC: Human tonsil stained with ZR452



Note the cytoplasmic staining of cytotoxic T-cells



About RAbMono™ Rabbit monoclonals designed and developed at Zeta are uniquely produced and target-validated for IHC on FFPE tissue sections. In contrast to typical mouse monoclonal technology, Zeta has achieved a unique and effective rabbit monoclonal production platform based on our unmatched expertise in the field. Generally, rabbit monoclonals are characterized by 10 to 100 times higher affinity than mouse monoclonals.

All antibodies are offered in different format and size with the Suffix after the Catalog #s; "L", "S" & "T" for concentrated antibodies in 1.0 ml, 0.5 ml & 0.1 ml sizes and Suffix "P" for Ready To Use (RTU) in 7 ml.