

# CD10 (ZR468)

## Rabbit monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** Recombinant external domain of the human CD glycoprotein  
**Ig Class:** IgG  
**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

**Specifications:** CD10 (ZR468) Rabbit monoclonal primary antibody detects CD10 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain CD10 protein.

**Localization:** Membrane/cytoplasmic.

**Intended Use:** Research Use Only (RUO). This antibody is not for diagnostic use.

**Description:** The common acute lymphoblastic leukemia antigen (CALLA/CD10) is a single-pass type II transmembrane metallo-endopeptidase that cleaves and inactivates various peptide growth factors essential for signal transduction. CD10 is expressed by a few hematopoietic cells, such as immature T and B cells, B cells of the germinal centers of lymphoid follicles, and granulocytes. It also reacts with various non-hematopoietic cells, including epithelial cells in the GI tract and kidney tubules. In the liver, the bile canaliculi show a moderate to strong staining. CD10 is expressed in a high percentage of cases of acute lymphoblastic leukemia, follicular lymphoma, Burkitt's lymphoma, some hematopoietic tumors, and chronic myelogenous leukemias in lymphoid blast crisis. It is also known to be a marker of endometrial stromal cells. It helps differentiate endometrial stromal sarcoma (ESS) from uterine cellular leiomyoma (UCL) and uterine leiomyosarcoma (ULS).

**Supplied As:** Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

### References:

1. Maguer-Satta V, et al. Stem Cells. 2011; 29:389-96.
2. Onak NK, et al. Turk J Med Sci. 2010; 40:177-84.
3. Chu P, et al. Am J Clin Pathol. 2000; 113: 374-82.



Z2828RL-R/ Z2828RS-R/ Z2828RT-R/ Z2828RP-R (1.0ml Concentrate/0.5ml Con./0.1ml Con./7ml Pre-dil)



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