



## Rabbit anti CD10 Polyclonal Antibody

Alternative Name(s): CD10 antigen; CALLA; NEP; SFE

### Order Information

- **Description:** CD10
- **Catalogue:** 500-10454
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu

### **ANTIGEN PREPARATION**

Synthetic peptide corresponding to internal region of human CD10

### **BACKGROUND**

CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA), is a 100-kDa type II transmembrane glycoprotein enzyme with neutral metalloendopeptidase activity which cleaves a variety of biologically active peptides hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin and bradykinin. CD10 is largely expressed in ALL of lymphoblastic, Burkitt's, and follicular germinal center lymphomas, as well as on CML of the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. However, it is also found on a variety of normal tissues, such as breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells. CD10 is present on leukemic cell of pre-B phenotype, which represents 85% of cases of acute lymphocytic leukemia (ALL), thus it is an important cell surface marker in the diagnosis of human ALL.

### **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes human CD10.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

- Western Blot: 0.1-1 µg/ml
- ELISA: nan
- Immunoprecipitation: nan
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 100.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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**DATA ATTACHMENTS**



Western Blot: The Cell lysate derived from human leukemia cells Reh was immunoprobed by Rabbit anti-CD10 (Cat#500-10454) at 1:500. An immunoreactive band is observed around ~100 kDa.

**REFERENCES**

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