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## **CD10/CALLA (Neutral Endopeptidase) Ab-2 (Clone 56C6)**

Mouse Monoclonal Antibody

Cat. #DLN-10707, DLN-10708, or DLN-10706 (0.1ml, 0.5ml, or 1.0ml)

Cat. #DLN-10705 (7.0ml)

**Description:** CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA), is a cell surface enzyme with neutral metalloendopeptidase activity which inactivates a variety of biologically active peptides. CD10 is expressed on the cells of lymphoblastic, Burkitt's, and follicular germinal center lymphomas, and on cells from patients with chronic myelocytic leukemia (CML). It is also expressed on the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.

**Comments:** Ab-2 is excellent for staining of formalin-fixed tissues.

**Mol. Wt. of Antigen:** 100kDa

**Epitope:** Extracelluler

**Species Reactivity:** Human and Rat. Others-not tested.

**Clone Designation:** 56C6

**Ig Isotype:** IgG<sub>1</sub>

**Immunogen:** Recombinant external domain of CD10 protein.

### **Applications and Suggested Dilutions:**

- Immunohistology (Formalin/paraffin)  
(Use Ab at 1:30-1:60 for 60 min at RT with a polymer detection system)
- \* [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.]

The optimal dilution for a specific application should be determined by the investigator.

**Positive Control:** Small intestine

**Cellular Localization:** Cell membrane

**Supplied As:** Tissue culture supernatant with 0.09% sodium azide,

Or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

### **Storage and Stability:**

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

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### ***Suggested References:***

1. Guerin S; et al. Cellular Immunology, 1997 Jan 10, 175(1):85-91.
2. Guerin S; et al. Faseb Journal, 1997 Apr, 11(5):376-81.

### ***Limitations and Warranty:***

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

### ***Material Safety Data:***

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

***For Research Use Only***

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1. Ishimaru F; Potter NS; Shipp MA. Phorbol ester-mediated regulation of CD10/neutral endopeptidase transcripts in acute lymphoblastic leukemias. *Experimental Hematol*, 1996, 24:43-8.
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