

# Monoclonal Mouse Antibody to CD10 CALLA (Neutral Endopeptidase)

## Description:

|                     |  |
|---------------------|--|
| Immunogen:          | Recombinant external domain of CD10 protein.   |
| Clone:              | 56C6   |
| Isotype:            | IgG <sub>1</sub>   |
| Format:             | This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.  |
| Specificity:        | Recognizes a 100kDa glycoprotein, identified as CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA). It 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. |
| Species Reactivity: | Human and Rat. Others not tested.  |
| Positive Control:   | Small intestine or kidney.   |

**Uses/Limitations:** Immunohistochemistry  
For Research Use Only.  
Do not use past expiration date.

**Storage:** 2-8° Centigrade.

**Procedure:** ScyTek Laboratories, Inc. suggests an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubations should be determined by the user.

**Precautions:** Contains Sodium Azide as a preservative.  
Do not pipette by mouth.

P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)

**References:**

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4. Sato Y; Itoh F; Hindoa Y; Ohe Y; Nakagawa N; Ueda R; Yachi A; Imai K. Expression of CD10/neutral endopeptidase in normal and malignant tissues of the human stomach and colon. *Journal of Gastroenterology*, 1996 Feb, 31(1):12-7.
5. Cirone M; De Maria R; D'Alessandro A; Frati L; Faggioni A; Ragona G. Epstein-Barr virus DNA is present both in CD10/CD77 positive and negative subsets of human tonsillar lymphocytes. *Cancer Letters*, 1995 Feb 10, 89(1):125-8.
6. de Saint-Vis B; Cupillard L; Pandrau-Garcia D; Ho S; Renard N; Grouard G; Duver V; Thomas X; Galizzi JP; Banchereau J; et al. Distribution of carboxypeptidase M on lymphoid and myeloid cells parallels the other zinc-dependent proteases CD10 and CD13. *Blood*, 1995 Aug 1, 86(3):1098-105.
7. For more references please contact customer service at ScyTek Laboratories, Inc. via phone (800-729-8350), fax (435-755-0015) or email ([scytek@scytek.com](mailto:scytek@scytek.com)).