

HISTOPRIME[®]

CatNo E084

CD10 (CALLA), Monoclonal Antibody against CD10

Lot: See Label
Storage: +2 to +8 °C
Exp. Date: See Label

Specificity

The CD10 antigen (CALLA, Common Acute Lymphoblastic Leukemia Antigen) is an integral type II membrane protein with a molecular weight of 100 kD. CD10 has been identified as a human membrane associated neutral metallo-endoropeptidase. Other names include NEP, encephalokinase, or neprilysin. CD10 is expressed by immature B lymphocytes, some immature T lymphocytes, mature granulocytes, approximately 75% of B-ALL, some T-ALL/T-LBL, and all ALL subtypes, among others. Burkitt's lymphoma and myeloma are also positive for CD10, as are some diffuse large B-cell lymphomas and most follicular lymphomas. Also positive are some tumors of epithelial origin such as carcinomas of the kidney, urinary bladder, prostate, uterus, and liver. Those negative for CD10 include MALT lymphomas and mantle cell lymphomas. CD10 is a commonly used marker for differential diagnosis of lymphoma, but can also be used for further differentiation, e.g., hepatocellular carcinoma vs. liver metastases of other origin.

Contents

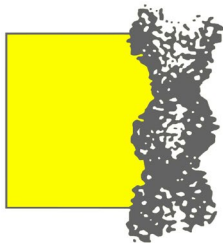
Reagents sufficient for about 60-120 tissue sections
1 dropper bottle **HISTOPRIME[®] Cytokeratin 14** (Bottle, 6 ml)

Application

The antibody shows a positive staining result in the cell membrane of CD10-positive cells in formalin-fixed, paraffin-embedded tissue.

E084-230109-1/2





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Characterization

| | |
|---------------------------------------|--|
| Antigen | Recombinant protein corresponding to the external domain of human CD10. |
| Abnormal Tissue | CD10 is a commonly used marker for differential diagnosis of lymphoma, but can also be used for further differentiation, e.g. hepatocellular carcinoma vs. liver metastases of other origin. |
| Clone | 56C6 |
| Isotype | Mouse IgG1 |
| Pretreatment | Microwave treatment Citrate buffer pH 6.0 |
| Incubation Period | 1 hour by room temperature |
| Application | Ready-to-use in PBS, BSA, NaN ₃ (0.09%) pH 7.4(*) suitable on cryostat sections and on formalin-fixed, paraffin-embedded tissue sections. |
| Recommended Secondary Reagents | Alkaline Phosphatase Vectastain [®] ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector [®] Red (Vector CatNo SK-5100). Peroxidase Vectastain [®] ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109). |

Differential identification is aided by the results from a panel of antibodies. Interpretation must be made within the context of the patient's clinical history and other diagnostics tests by a qualified pathologist.

(*)Note E084 contains Sodium Azide; take adequate precautions!

E084-230109-2/2

For Research use only. Not for use in diagnostic procedure

