



PRODUCT DATA SHEET

Product: Anti-CD10, clone SN5c

Cat. No.: MC-423 (1 mL)

Synonym:

Common Acute Lymphocytic Leukemia Antigen, (CALLA)

Background:

CD10 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. Other species not tested.

Ig Isotype:

Mouse IgG_{1/k}

Immunogen:

Membrane preparations of human B-lineage leukemia cells

Mol. Wt. of Antigen:

100 kDa

Positive Control:

Tonsil or small intestine

Cellular Location:

Cell membrane

Format:

1 mL of 200 µg/mL of antibody purified from bioreactor concentrate by Protein G chromatography in 10 mM PBS, pH 7.4, with protein stabilizer and 0.09% sodium azide.

Storage:

Store at 4°C.

Applications:

- Flow cytometry
- Western blot
- Immunohistochemistry: Frozen only

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

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.