Monoclonal Antibody to CD10
Purified Antibody (0.1 mg)

Clone: LT10
Isotype: Mouse IgG1
Specificity: The antibody LT10 reacts with CD10 antigen (CALLA - Common acute lymphatic leukemia antigen), a 100 kDa type II integral membrane protein.
Regulatory Status: RUO
Immunogen: mouse NALM-6 leukemia pre-B cell line (tissue/cell preparation)
Species Reactivity: Human, Other not tested
Application: Flow Cytometry
Purity: > 95% (by SDS-PAGE)
Purification: Purified by precipitation and chromatography
Concentration: 1 mg/ml
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration: See vial label
Lot Number: See vial label

Background:
CD10 (neutral endopeptidase &8211; NEP, common acute lymphocytic leukemia antigen &8211; CALLA, membrane metallo-endopeptidase &8211; MME, enkefalinase) is a 100-kDa cell surface zinc metalloprotease cleaving peptide bonds on the N-terminus of hydrophobic amino acids and inactivating multiple physiologically active peptids. CD10 is expressed on various normal cell types, including lymphoid precursor cells, germinal center B lymphocytes, and some epithelial cells, and its expression level serves as a marker for diagnostics of many carcinomas. CD10 is also a differentiation antigen for early B-lymphoid progenitors in the B-cell differentiation pathway and has a key role in regulation of growth, differentiation and signal transduction of many cellular systems.

References:
* Leukocyte Typing VII., Mason D. et al. (Eds.), Oxford University Press (2002).
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