

anti-human CD10 PE-conjugated

The antibody LT10 reacts with CD10 antigen (CALLA- Common Acute Lymphatic Leukemia Antigen), a 100 kDa type II integral membrane protein expressed on uncommitted precursors. It is also expressed on activated and proliferating B lymphocytes in the germinal centers and granulocytes.

CD10 (neutral endopeptidase NEP, common acute lymphocytic leukemia antigen CALLA, membrane metallo-endopeptidase 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 peptides. 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.

Clone:	LT10
Isotype:	Mouse IgG1
Physical state:	Liquid for direct use
Form:	purified antibody conjugated with R-Phycoerythrin (R-PE)
Buffer:	PBS containing 1% BSA and 0.1% sodium azide (pH 7.4)
Storage:	Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.
Application:	Flow Cytometry
Reference:	Leucocyte Typing VII. Mason D. et al. (Eds.), Oxford University Press (2002)
Quantity:	1.0 ml
Order N°:	H12137P

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

This material is offered for **research only**. Not for use in human. For in vitro use only. EuroBioSciences will not be held responsible for patent infringement or other violations that may occur with the use of our products.