

Human CD10 Antibody

FITC

Monoclonal Antibody

Product Information

Product No.: C139

Clone: SJ5-1B4

RRID: AB_2828446

Isotype: Mouse IgG1

Storage: Sterile 2-8°C

Product Description

Specificity:

Mouse Anti-Human CD10 (Clone SJ5-1B4) recognizes Human CD10. This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype. Anti-Human CD10 (Anti-CALLA) recognizes a human common acute lymphoblastic leukemia antigen. CD10 is a (Mr 100 kDa) surface glycoprotein with associated neutral endopeptidase activity.^{1,2}

Antigen Distribution:

The CD10 antigen is found on cells from subjects with acute B-lymphoid leukemia.³ The antigen is also expressed in various degrees on progenitor B-cells, renal epithelium, fibroblasts, granulocytes, early T-lymphocytes and germinal center cells.

Background:

Anti-Human CD10 may be used in studies characterizing non-T-cell common acute lymphoblastic leukemias or differentiation of early lymphocyte lineages.

Known Reactivity Species:

Human

Format:

Fluorescein (FITC)

Formulation

This Fluorescein (FITC) conjugate is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

Storage and Stability

This Fluorescein conjugate is stable when stored at 2-8°C. **Do not freeze.**

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

FC The suggested concentration for this SJ5-1B4 antibody for staining cells in flow cytometry is $\leq 1.0 \mu\text{g}$ per 10^6 cells in a volume of 100 μl or 100 μl of whole blood. Titration of the reagent is recommended for optimal performance for each application.

Country of Origin

USA

References

1. Leukocyte Typing V (1995) Oxford University Press
2. Billings, R. *et al.* (1978) *J. Natl. Cancer Inst.* 61:583
3. Ritz, J. *et al.* (1980) *Nature* 283:583
4. Foon, K. A. *et al.* (1982) *Blood* 60:1