EXBIO Antibodies

PRODUCT DATA SHEET

A6-209-T100

Monoclonal Antibody to CD10
Alexa Fluor® 647 conjugated (100 tests)

Clone: MEM-78

Isotype: Mouse IgG1

Specificity: The antibody MEM-78 reacts with CD10 antigen (CALLA - Common acute lymphatic leukemia antigen), a 100 kDa type II integral membrane protein.
HLDA IV; WS Code B 506
HLDA V; WS Code B CD10.4

Immunogen: NALM-6 human pre-B cell line

Species Reactivity: Human

Preparation: The purified antibody is conjugated with Alexa Fluor® 647 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.
Do not use after expiration date stamped on vial label.
Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.

Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension.
The content of a vial (0.4 ml) is sufficient for 100 tests.

Expiration: See vial label

Lot Number: See vial label

Background: 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 peptids. CD10 is expressed on various normal cell types, including lymphoid precursor cells, germinal center B lymhocytes, 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.

For laboratory research only, not for drug, diagnostic or other use.

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