

Anti-CD10 [NL-1] Bulk Size Ab00950-10.0-BT

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: NL-1

Alternative Name(s) of Target: Neprilysin; Cluster of Differentiation 10; Membrane metallo-endopeptidase; MME; Neutral endopeptidase 24.11; Neutral endopeptidase; NEP; Common acute lymphocytic leukaemia antigen; CALLA; Skin fibroblast elastase; SFE; CMT2T; SCA43; Atriopeptidase; Enkephalinase

UniProt Accession Number of Target Protein: P08473

Published Application(s): IP, WB, IF

Published Species Reactivity: Human

Immunogen: BALB/c mice were immunised with acute lymphocytic leukaemia cells from a human leukaemia patient. Splenocytes were obtained from immunised mice and fused with MOPC-21 NS/1 myeloma cells to generate a hybridoma.

Specificity: This antibody reacts with human CD10. CD10 is a widely-expressed cell-surface metalloprotease, responsible for the cleavage of multiple peptide hormones at target tissues. CD10 is also a common marker for acute lymphocytic leukaemia.

Application Notes: NL-1 was shown to react with several leukaemic cell lines using immune adherence assays (Ueda et al, 1982). These authors also confirmed that NL-1 is specific for CD10 using IP.

Antibody First Published in: Ueda et al. Serological analysis of cell surface antigens of null cell acute lymphocytic leukemia by mouse monoclonal antibodies. Proc Natl Acad Sci U S A. 1982 Jul;79(14):4386-90. PMID:6956869

Note on publication: Describes the generation and characterisation of a panel of mAbs against various leukaemic cell lines with the goal of using this panel of mAbs to define blood antigen systems.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.