

Anti-CD8 [14] Bulk Size Ab00830-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Developed in partnership with Ximbio (www.ximbio.com).

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 14

Alternative Name(s) of Target: Leu2; cluster of Differentiation 8; T lymphocyte differentiation antigen T8

UniProt Accession Number of Target Protein:

Published Application(s): FACS, IP, WB, ELISA, IHC

Published Species Reactivity: Human

Immunogen: Murine antibodies were produced by immunising mice with human monocytes. Immunised cells were used to produce a hybridoma from which the antibodies were purified.

Specificity: Clone 14 binds human CD8, which is a coreceptor for the T lymphocyte receptor (TCR). CD8 binds, as a heterodimer, to class 1 MHC molecules and facilitates antigen-specific activation of the adaptive immune response. CD8 mutations are associated with various immunodeficiencies and pathologies.

Application Notes: Clone 14 has been used to investigate the cell type-dependent expression of CD8 in nephrectomised rats by IHC methods (Xiao et al, 2014), and can further be used for detection of T cell population subsets.

Antibody First Published in: Hogg et al. A novel leukocyte adhesion deficiency caused by expressed but nonfunctional $\beta 2$ integrins Mac-1 and LFA-1 J. Clin. Invest. 103:97-106 (1999). [PMID:9884339](#)

Note on publication: Describes a patient with leukocyte adhesion deficiency 1 (LAD-1) syndrome, characterised by lack of CD18 function. In this study, mAb clone 14 - produced in the authors's laboratory - was used as an anti-CD8 marker.

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.