

Anti-CD8 [14] Standard Size Ab00830-1.1

Developed in partnership with Ximbio (www.ximbio.com).

Isotype and Format: Mouse IgG1, 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: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.