

## Anti-CD8 [14] Standard Size Ab00830-23.0

Developed in partnership with Ximbio ([www.ximbio.com](http://www.ximbio.com)).

This chimeric rabbit 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:** Rabbit IgG, 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.