

## Anti-CD8 [51.1] Standard Size Ab04357-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2b Fc Silent™ antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2b, Fc Silent™, Kappa

**Clone Number:** 51.1

**Alternative Name(s) of Target:** CD8a; T-cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein CD8 alpha chain; T-lymphocyte differentiation antigen T8/Leu-2

**UniProt Accession Number of Target Protein:** P01732

**Published Application(s):** Blocking, FC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing mice with CD1d.

**Specificity:** The antibody is specific for CD8.

**Application Notes:** The antibody could block HLA-A2.1-mediated binding to CD8α(+) expressed on CHO cells (Norment et al, 1988; PMID: 3263576). The antibody could also block TLA-mediated binding (Teitell et al., 1991; PMID: 1834760). The antibody was used to localize CD8α to the cell periphery on monocytes using confocal microscopy of permeabilized PBMC. The antibody could detect CD8α by flow cytometry on CD14<sup>hi</sup> monocytes from human peripheral blood (Gibbins et al. 2007; PMID: 17678538).

**Antibody First Published in:** Martin et al. Cell-cell adhesion mediated by CD8 and MHC class I molecules Epitope mapping of the human surface suppressor/cytotoxic T cell molecule Tp32 J Immunol. 1984 Feb;132(2):759-65. [PMID:6197474](#)

**Note on publication:** The original paper describes the generation and characterization of the antibody.

## Product Form

**Size:** 100 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.