

Anti-CD8 [51.1] Bulk Size Ab04357-3.3-BT

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

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^{hi} 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: 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.