

## Anti-CD8 alpha [YTS 105.18] Standard Size Ab00171-2.3

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

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2a, Fc Silent™, Kappa

**Clone Number:** YTS 105.18

**Alternative Name(s) of Target:** Lyt-2; CD8A Antibody; CD8a molecule Antibody; CD8a antigen Antibody; OKT8 T-cell antigen Antibody; Leu2 T-lymphocyte antigen Antibody; T8 T-cell antigen Antibody; T cell co-receptor Antibody; p32 Antibody; CD8 Antibody; Leu2 Antibody; T-cell antigen Leu2

**UniProt Accession Number of Target Protein:** P01731

**Published Application(s):** Block, FC, IF, IHC-Fr

**Published Species Reactivity:** Mouse

**Immunogen:** Ly-2-transfected mouse L cells.

**Specificity:** Recognizes a non polymorphic epitope on the mouse CD8 alpha chain. This antibody has been reported to block MHC I dependent T cell responses in vitro and in vivo.

**Application Notes:** This antibody can be used to stain for murine CD8 and can be used to block interaction with CD8.

**Antibody First Published in:** Qin SX, Wise M, Cobbold SP, Leong L, Kong YC, Parnes JR, Waldmann H. Induction of tolerance in peripheral T cells with monoclonal antibodies. Eur J Immunol. 1990 Dec;20(12):2737-45. [PMID:1702726](#)

**Note on publication:** Describes the generation of this antibodies and its characterization, including its function in suppressing skin graft rejection.

## 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.