

Monoclonal Antibody to CD8 - Azide Free

Alternate names:	CD8, MAL, T-cell surface glycoprotein CD8 alpha chain, T-cell surface glycoprotein CD8 beta chain, T-lymphocyte differentiation antigen T8/Leu-2
Catalog No.:	SM024A
Quantity:	1 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Rat / IgG2a
Recommended Isotype Controls:	SM26A
Clone:	YTS105.18
Immunogen:	Mouse spleen cells. Spleen cells from an immunised DA rat were fused with cells of the rat Y3/Ag1.2.3. myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH7.4
Applications:	Flow cytometry: 1/50 - 1/100; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Immunohistochemistry on frozen sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises a non polymorphic epitope on the CD8 alpha chain. Blocks MHC I dependent T cell responses in vitro and in vivo, and induces transplantation tolerance in combination with CD4 antibodies. Species: Mouse. Other species not tested.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Qin SX, Wise M, Cobbold SP, Leong L, Kong YC, Parnes JR, et al. Induction of tolerance in peripheral T cells with monoclonal antibodies. Eur J Immunol. 1990 Dec;20(12):2737-45. PubMed PMID: 1702726. 2. Cobbold, S.P. et al. (1990) The Induction of skin graft tolerance in MHC-mis matched or primed recipients: primed T-cells can be tolerized in the periphery with CD4 and CD8 antibodies. Eur. J. Immunol. 20: 2747-2755. 3. Wise MP, Bemelman F, Cobbold SP, Waldmann H. Linked suppression of skin graft rejection can operate through indirect recognition. J Immunol. 1998 Dec 1;161(11):5813-6. PubMed PMID: 9834057.

Pictures:

Staining of mouse spleen cells probed
with RAT ANTI MOUSE CD8:AZIDE FREE

