

Monoclonal Antibody to CD8

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.:	SM1746
Quantity:	200 Tests
Concentration:	2.0 mg/ml (IgG)
Host / Isotype:	Rat / IgG2b
Clone:	YTC 182.20
Immunogen:	Mouse L cells transfected with human CD8 gene

Format: This antibody is supplied as liquid immunoglobulin fraction, lyophilised from PBS buffer pH 7.2 with 0.1% sodium azide as preservative. Reconstitute with 0.5 ml distilled water.

Applications: Flow cytometry: use 10 µl of neat antibody to label 10⁶ cells. Immunohistology on frozen sections (paraffin sections not tested). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: SM1746 recognises the human CD8 cell surface antigen, a 30/32kD glycoprotein expressed by the cytotoxic/suppressor subset of T lymphocytes, and more weakly by NK cells. Species Cross Reactivity: Clone YTC 182.20 is reported to cross react with Rhesus and Cynomolgus monkey (1).

Storage: Store the antibody at 4°C. After reconstitution store at 4°C or at -20°C for longer. Avoid repeated freeze thaw cycles. Shelf life: one year from despatch.

General Readings: 1. Jonker, M. et al. (1989). Reactivity of mAb specific for human CD markers with Rhesus monkey leucocytes. Leucocyte Typing IV. Oxford University Press p 1058-1063.
2. Walton, L.J. et al. (1998). Intra-epitelial subpopulations of T-lymphocytes and Langerhans cells in oral lichen planus. J. Oral Pathol. Med. 27(3): 116-23.
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