SM2207

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Monoclonal Antibody to CD8 - Supernatant

Alternate names: T-cell surface glycoprotein CD8 alpha chain, T-cell surface glycoprotein CD8 beta chain, T-lymphocyte differentiation antigen T8/Leu-2

Catalog No.: SM2207

Quantity: 2 ml

Background: The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

Host / Isotype: Mouse / IgG1

Clone: CVS8

Immunogen: Equine PBMC

Format: **State:** Liquid Tissue Culture Supernatant containing 0.09% Sodium Azide

Applications: Flow Cytometry: Neat - 1:10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises the CD8 cell surface antigen, expressed by a subset of T lymphocytes.
Species: Horse.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: 1. Lunn DP, Holmes MA, Antczak DF, Agerwal N, Baker J, Bendali-Ahcene S, et al. Report of the Second Equine Leucocyte Antigen Workshop, Squaw valley, California, July 1995. Vet Immunol Immunopathol. 1998 Mar 31;62(2):101-43. PubMed PMID: 9638857.