

Product datasheet for **SM1064P**

CD8B Mouse Monoclonal Antibody [Clone ID: 2ST8.5H7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2ST8.5H7
Applications:	FC, IP, WB
Recommended Dilution:	Western Blot. Immunoprecipitation. Flow Cytometry: Use 10 µl of neat-1/10 diluted CD8b antibody to label 10e6 cells in 100 µl.
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Normal Human T lymphocytes.
Specificity:	This antibody recognises the CD8 cell surface antigen. The antibody binds to the beta chain, recognising an epitope that is dependent upon expression of both CD8 alpha and CD8 beta.
Formulation:	PBS, pH 7.4 with 1% BSA as stabilizer State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with 0.2 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. We recommend that the vial is gently mixed after reconstitution.
Concentration:	lot specific
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD8b molecule
Database Link:	Entrez Gene 926 Human P10966



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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.

Synonyms:

CD8B, CD8B1