

Product datasheet for **CL011S**

Cd8b1 Mouse Monoclonal Antibody [Clone ID: F9(1)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F9(1)
Applications:	CT
Recommended Dilution:	Flow Cytometry.
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Recipient: ((B6xB6-Ly-2a)F1xB6-Ly-2a) offspring (Ly-2a homozygous). Donor: B6-Ly-2a3a,H-2k. Fusion Partner: Spleen from immunized recipient fused with myeloma P3/X63-Ag8.
Specificity:	This Monoclonal antibody reacts with a sub-population of T-lymphocytes expressing the Ly-3.1 phenotype, but does not react with lymphocytes from mouse strains expressing the Ly-3.2 phenotype.
Formulation:	State: Supernatant State: Lyophilized Supernatant
Reconstitution Method:	Restore with 1.0 ml of distilled water
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store 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:	CD8 antigen, beta chain 1
Database Link:	Entrez Gene 12526 Mouse P10300



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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

Note:

This reagent is not sold sterile, but can be sterilized by filtration if necessary. To minimize loss of volume during filtration, dilute to the final working concentration in the appropriate medium before filtration.