

## Product datasheet for **SM486F**

### CD8A Mouse Monoclonal Antibody [Clone ID: MIL-12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MIL-12
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10µl of Neat antibody to label 10e6 cells in 100 µl.
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Porcine mesenteric lymphocytes. Spleen cells from immunised BALB/c mice were fused with cells of the P3 - X63 - Ag.653 myeloma cell line.
Specificity:	This antibody recognises a subset of T cells.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">Q6R2U9</a>



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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:**

CD8 alpha chain, CD8A, MAL