

Product datasheet for **AM08158RC7-N**

CD8A Mouse Monoclonal Antibody [Clone ID: RFT-8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RFT-8
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry: 10 µL/10e6 cells.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD8.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE-Cy7 State: Liquid purified Ig fraction. Label: R-Phycoerythrin-Cyanine 7
Conjugation:	PE-Cy7
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD8a molecule
Database Link:	<u>Entrez Gene 925 Human</u> <u>P01732</u>



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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. CD8 functions primarily as a coreceptor with MHC Class I-restricted TCR's in antigen recognition. (Ref.1-2)
Synonyms:	CD8 alpha chain, CD8A, MAL
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways:	Antigen processing and presentation, Cell adhesion molecules (CAMs), Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway