

Product datasheet for **AM08158PU-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: $< / = 1 \mu\text{g}/10\text{e}6$ cells. Immunohistochemistry on Frozen Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD8.
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
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:	CD8a molecule
Database Link:	Entrez Gene 925 Human P01732



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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