

Product datasheet for **AM33387PU-N**

Cd8a Mouse Monoclonal Antibody [Clone ID: RIV11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RIV11
Applications:	ELISA, FC, IF, IHC
Recommended Dilution:	ELISA. Flow Cytometry. Immunocytochemistry. Immunohistochemistry on Frozen Sections. Recommended Positive Controls: Human lymph node, spleen and peripheral blood lymphocytes.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This antibody derived by fusion of 653 mouse myeloma cells with splenocytes from a BALB/c mouse immunized with Human peripheral blood lymphocytes.
Specificity:	The antibody RIV11 is directed against Human CD8 and recognises all CD8 positive T-cells, thymocytes and natural killer cells.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Stabilizer: 50% Glycerol + 0.2% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	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, alpha chain



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Background: CD8 is a 32kDa cell surface transmembrane glycoprotein expressed by most thymocytes, a subpopulation of mature peripheral blood T-cells and natural killer (NK) cells. CD8 is expressed on the cell surface as a heterodimer, comprising two distinct disulphide linked α and β polypeptide chains, or as a CD8 α homodimer. The CD8 $\alpha\beta$ heterodimer is expressed on T-cell receptor (TCR) $\alpha\beta^+$ cytotoxic T-lymphocytes (CTL's), whereas CD8 α homodimers are expressed on TCR $\gamma\delta^+$ T-cells, natural killer cells and a subpopulation of TCR $\alpha\beta^+$ T-cells. The CD8 molecule functions as a co-receptor (with the T-cell receptor) as part of the antigen-recognition complex on TCR $\alpha\beta^+$, class I MHC-restricted T cells and plays an important role in T-cell signaling. The CD8 Ig-like domain binds to the alpha-3 domain of MHC-Class.

Synonyms: CD8 alpha chain, CD8A, MAL