

Product datasheet for **AM32706SU-N**

Cd8a Rat Monoclonal Antibody [Clone ID: 2.43]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2.43
Applications:	FC, IF
Recommended Dilution:	<i>In vivo</i> and <i>in vitro</i> Subset Depletion of CD8+ cells. FACS. Immunofluorescence.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	Recognizes Mouse CD8a. Other species not tested.
Formulation:	State: Ascites State: Liquid Ascites
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
Database Link:	Entrez Gene 12525 Mouse P01731



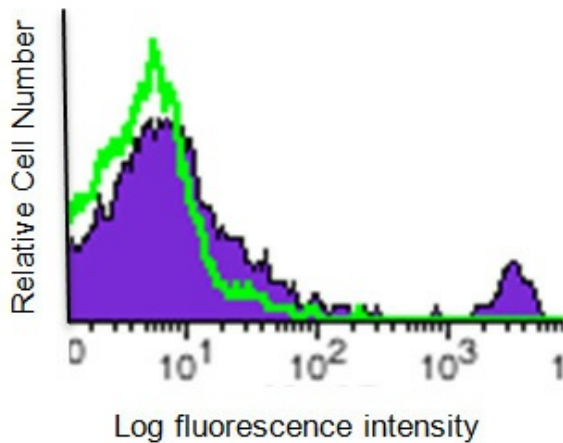
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Background:

The T cell receptor (TCR) is a heterodimer composed of either α and β or γ and δ chains. CD3 chains and the CD4 or CD8 co-receptors are also required for efficient signal transduction through the TCR. The TCR is expressed on T helper and T cytotoxic cells that can be distinguished by their expression of CD4 and CD8. T helper cells express CD4 proteins and T cytotoxic cells display CD8. CD8, also designated Leu 2 or T8, is a cell surface glycoprotein. It is a two chain complex ($\alpha\alpha$ or $\alpha\beta$) receptor that binds class I MHC molecules presented by the antigen-presenting cell (APC). A primary function of CD8 is to facilitate antigen recognition by the TCR and to strengthen the avidity of the TCR-antigen interactions. An additional role for CD8-expressing T cells may be to maintain low levels of HIV expression.

Synonyms:

CD8 alpha chain, CD8A, MAL

Product images:

Flow Cytometry: BALB/c Mouse splenocytes were stained with a 1/8000 dilution of anti-Mouse CD8 Antibody Cat.-No AM32706SU-N (Clone 2.43) (purple) or negative control (green), followed by PE-conjugated Goat anti-Rat Ig (1/200 dilution).