

Product datasheet for **TA385765**

Cd8a Rabbit Monoclonal Antibody [Clone ID: YTS 169.4]

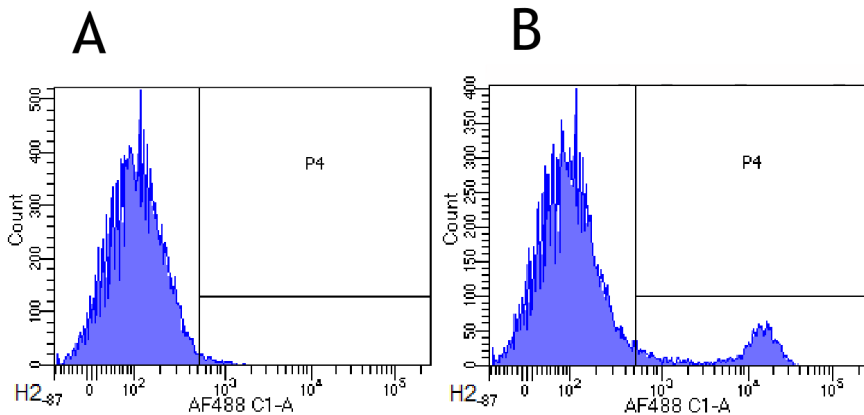
Product data:

Product Type:	Primary Antibodies
Clone Name:	YTS 169.4
Applications:	FC, IHC
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	Murine CD8 (lyt-2).
Specificity:	Recognises the murine CD8 cell surface antigen expressed by a subset of T lymphocytes. The antibody has been shown to show depleting activity in vivo. Mice have two alleles for CD8, Lyt2.1 and Lyt2.2, which are restricted to certain mouse strains. Lyt2.1, for example, is expressed in the mouse strains CBA, AKR, C3H, and DBA, whereas Lyt2.2 is expressed in the mouse strains BALB/c and C57BL/6 (B/6). YTS 169.4 was originally raised against CBA mouse thymocytes, however there are studies using it in C57BL/6 and BALB/c mice. It has been used specifically as a pan-reactive Lyt2 reagent (Tavare et al., 2014; pmid: 24390540).
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	CD8 antigen, alpha chain
Database Link:	Entrez Gene 12525 Mouse P01731
Synonyms:	CD8; Leu2; MAL; OTTHUMP00000203721; p32
Note:	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

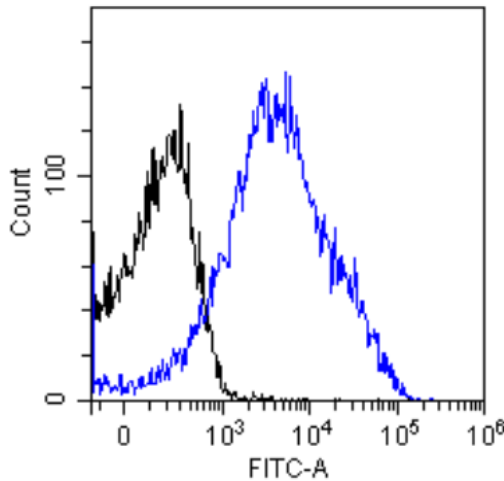


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Product images:



Flow-cytometry using anti-CD8alpha/Lyt-2 antibody YTS 169.4 (TA385765). Mouse lymphocytes were stained with an anti-CD44 control (TA385644), panel A) or the rabbit-chimeric version of YTS 169.4 (TA385765, panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.



Flow-cytometry using the anti-CD8 alpha/Lyt-2 antibody YTS 169.4 (TA385765). Mouse thymocytes were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of YTS 169.4 (TA385765, blue line) at a concentration of 10 µg/ml for 30 mins at RT. After washing, bound antibody was detected using anti-rabbit IgG JK (FITC-conjugate) antibody at 2 µg/ml and cells analyzed on a FACSCanto flow-cytometer.