

Rat anti-Mouse CD8a Monoclonal Antibody | anti-CD8a antibody

Anti-Mouse CD8a (Ly 2), APC-Cy7 (Clone YTS 169.4)(rat IgG2b)

CATALOG # AAA74289	HOST Rat	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, Immunohistochemistry
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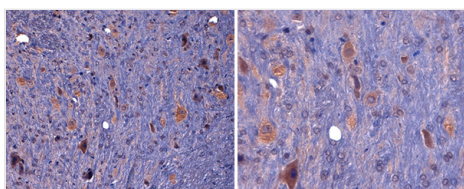
PRODUCT SYNONYMS

CD8a; Monoclonal Antibody; Anti-Mouse CD8a (Ly 2); APC-Cy7 (Clone YTS 169.4)(rat IgG2b); anti-CD8a antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b
Clone Number	YTS 169.4
Specificity	Mouse CD8a (Ly 2; Lyt 2)
Form/Format	Lyophilized. APC-Cy7 conjugated IgG buffered in PBS, 0.02% NaN3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5mg/ml.
Applicable Applications for anti-CD8a antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Conjugation	Allophycocyanin-Cyanine 7 (APC-Cy7)
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE

IMAGES



IHC (Immunohistochemistry)

CL7778AP (4ug/ml) staining of a rat brain formalin-fixed, paraffin-embedded tissue section; seen at 20x (left) and 40x (right) magnification. Strong staining observed in the cytoplasm of neuronal cells.



WB (Western Blot)

CL7778AP (1ug/ml) staining of a rat brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CD8a antibody	anti-CD8a (Ly 2) monoclonal antibody reacts with a protein of approximately 30kDa found on mouse thymocytes and mouse cytotoxic/suppressor T cells. It does not bind to mouse helper/inducer T cells. It binds to T lymphocytes from all mouse strains regardless of phenotypic expression (i.e. reacts with T lymphocytes from mouse strains expressing the Ly 2.1 or Ly 2.2 phenotype). It can be used to investigate the role of T cells in models for infectious disease, autoimmunity, transplantation tolerance and fundamental aspects of immunology1.It can also be useful to identify/eliminate cytotoxic or suppressor T lymphocytes invivoor invitro. This antibody has been reported to be suitable for use in immunohistochemistry on PFA-fixed paraffin-embedded tissue sections (antigen retrieval is required)(7). This clone has also been reported to work in immunohistochemistry with frozen sections(6).
References	1. Cobbald S.P et al. (1984) Nature. Therapy with monoclonal antibodies by elimination of T cell subsets in vivo312, 548-551. 2. Cobbald S.P. et al. 8th International Conference on Lymphatic Tissues and Germinal Centres. Plenum Press (Ed. Klaus G.) in press (1984) Immunosuppression with monoclonal antibodies -rules for effective serotherapy. 3. Aqel N.M. et al. (1984) J. of Immunol. Methods. 69: 207-214. Immunohistological Screening in the selection of monoclonal antibodies: the use of isotype specific antiglobulins. 4. Ledbetter J.A. and Hertzzenberg L.A. (1979) Nature. 277: 131-133. Rat x Rat hybrid myelomas and a monoclonal anti-Fd portion of mouse Ig. 5. Mueller, R. et al. (1997) J. of Immunol. 159: 1599-1603. IL-4 Expression by Grafts from Transgenic Mice Fails to Prevent Allograft Rejection. 6. Stevenson, P.G. et al. (1997) J. of Immunol. 159: 1876-1884. Virus Dissemination Through the Brain Parenchyma Without Immunologic Control. 7. Zhang B, Kracker S, Yasuda T, Casola S, et al. (2012) Immune Surveillance and Therapy of Lymphomas Driven by Epstein-Barr Virus Protein LMP1 ina Mouse Model. Cell.148(4):739-51. 8. Beilke JN, Benjamin J, Lanier LL. (2010) The requirement for NKG2D in NK cell-mediated rejection of parental bone marrow grafts is determined by MHC class I expressed by the graft recipientBlood.116(24):5208-16. 9. Visan I, Tan JB, Yuan JS, Harper JA, Koch U, Guidos CJ. (2006) Regulation of T lymphopoiesis by Notch1 and Lunatic fringe-mediated competition for intrathymic niches. Nat Immunol.7(6):634-43.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd8a-antibody-clone-yts-169-4-immunohistochemistry-immunohistochemistry-elisa/74289>