

Mouse T LYMPHOCYTES Monoclonal Antibody

MOUSE ANTI RABBIT T LYMPHOCYTES:FITC

CATALOG # AAA49708	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

T LYMPHOCYTES; Monoclonal Antibody; MOUSE ANTI RABBIT T LYMPHOCYTES:FITC; anti-T LYMPHOCYTES antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	KEN-5
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Applicable Applications for anti-T LYMPHOCYTES antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Rabbit
Preparation and Storage	Store at 4 degree C for one month or at -20 degree C for longer. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Staining of rabbit peripheral blood lymphocytes with Mouse anti Rabbit T Lymphocytes:FITC (AAA49708)



Application Data

Staining of rabbit peripheral blood lymphocytes with Mouse anti Rabbit T Lymphocytes

ADDITIONAL INFORMATION

Related Product Information for anti-T LYMPHOCYTES antibody	Mouse anti Rabbit T-Lymphocytes, clone KEN-5, specifically recognizes rabbit (lapine)T cells. Clone KEN-5 recognizes >90% thymocytes and approximately 40-45% mesenteric lymph node cells and immunoprecipitates a 67kDa protein from rabbit thymocytes. In contrast to Humans and Mice where only a very small population of B-cells express the CD5 antigen, the CD5 antigen in Rabbits is widely expressed by peripheral blood B-cells. However, the KEN-5 antibody, while originally reported as recognising rabbit CD5 (Kotani et al.1993), does not bind to rabbit CD5 transfectants. Furthermore, clone KEN-5, unlike other known antibodies recognising rabbit CD5 and anti human cross reactive CD5 antibodies, shows very limited binding to rabbit B lymphocytes, which in adult rabbits have been demonstrated to express CD5 (Raman & Knight 1992) More recently studies (Pospisil et. al. 2009) indicate that clone KEN-5 may recognize a epitope that is dependant on glycosylation to maintain its structural configuration which may explain why this antibody does not recognize recombinant rabbit CD5 produced in insect cells which contain different glycans from those found in mammalian cells. It has therefore been suggested that KEN-5 may distinguish between different isoforms of CD5 in lapine T and B cells (Pospisil et. al. 2009).
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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/t-lymphocytes-antibody-clone-ken-5-flow-cytometry-elisa/49708>