Mouse anti-Rat CD3 Monoclonal Antibody | anti-CD3 antibody

Anti-Rat CD3 SAFIRE Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA79340	**Mouse**	**Rat**	**Functional Assay, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD3; Monoclonal Antibody; Anti-Rat CD3 SAFIRE Purified; anti-CD3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	Mouse IgG3, kappa
Clone Number	G4.18
Purity/Purification	The monoclonal antibody was purified utilizing affinity chromatography.
Form/Format	Phosphate-buffered aqueous solution, ph7.2.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-CD3 antibody	FA (Functional Assay), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Endotoxin	The endotoxin level is determined by LAL test to be less than 0.01 EU/ug of the protein.
Conjugation	SAFIRE Purified
Preparation and Storage	Product should be kept at 2-8°C and protected from prolonged exposure to light. The product shold be stored undiluted at 4°C. Do not freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-CD3 antibody	The G4.18 monoclonal antibody specifically reacts with rat CD3, a T cell lineage marker and associated with the T cell receptor (TCR). CD3 is involved in antigen recognition, cell activation, and signal transduction and is found on subsets of NK-T, peripheral T, dendritic epidermal T, and thymocyte cells. Immobilized G4.18 antibody activates T cells in vitro and in vivo treatments of the G4.18 antibody prevents cardiac and skin allograft rejection.
References	Nicolls, M. R., Aversa, G. G., Pearce, N. W., Spinelli, A., Berger, M. F., Gurley, K. E., & Hall, B. M. (1993). Induction of long-term specific tolerance to allografts in rats by therapy with an anti-CD3-like monoclonal antibody.Transplantation, 55(3), 459-468. Morris, D. L., & Komocsar, W. J. (1997). Immunophenotyping analysis of peripheral blood, splenic, and thymic lymphocytes in male and female rats.Journal of pharmacological and toxicological methods, 37(1), 37-46. Tran, G. T., Carter, N., He, X. Y., Spicer, T. S., Plain, K. M., Nicolls, M.,... & Hodgkinson, S. J. (2001). Reversal of experimental allergic encephalomyelitis with non-mitogenic, non-depleting anti-CD3 mAb therapy with a preferential effect on Th1 cells that is augmented by IL-4. International immunology, 13(9), 1109-1120.

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/cd3-antibody-clone-g4-18-functional-assay-immunohistochemistry-flow-cytometry-elisa/79340