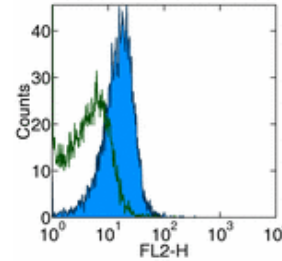


Product Information

Contents: Affinity Purified anti-mouse CD95 (Fas/APO-1)
Catalog Number: 14-0951
Sizes: 50 ug, 500 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
Clone: 15A7
Isotype: Mouse IgG1, κ



Surface staining of mouse thymocytes with anti-mouse CD95 (15A7) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-0951	PE anti-mouse CD95 (Fas/APO-1)	488	575	FC
13-0951	Biotin anti-mouse CD95 (Fas/APO-1)	N/A	N/A	FC
14-0951	Affinity Purified anti-mouse CD95 (Fas/APO-1)	N/A	N/A	FC

Description

The 15A7 monoclonal antibody reacts with mouse CD95 (Fas, Apo-1), a 40-50 kDa member of the TNFR superfamily. CD95 is expressed by a broad range of hematopoietic and non-hematopoietic cells including monocytes, neutrophils, activated lymphocytes and fibroblasts. Interaction of CD95 on mature lymphocytes with its ligand (FasL) induces apoptosis and is thought to be important in peripheral tolerance. 15A7 reacts with mouse CD95 in strains tested including BALB/c and C57Bl/6.

Usage

For research use only, not for diagnostic or therapeutic use. The 15A7 antibody has been reported for use in flow cytometric analysis. Applicability of this mAb to induce apoptosis of Fas-expressing cells has not been fully characterized and is currently under investigation. Reactivity of this mAb to cells from laboratory mouse strains other than BALB/c is currently being studied.

Applications Tested

The 15A7 antibody has been tested by flow cytometric analysis of BALB/c mouse splenocyte and thymocyte cell suspensions. This can be used at less than or equal to 1 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 12-0951 PE anti-mouse CD95 (Fas/APO-1) (clone 15A7)
Cat. 13-0951 Biotin anti-mouse CD95 (Fas/APO-1) (clone 15A7)
Cat. 11-4011 FITC Anti-Mouse IgG
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4714 Affinity Purified Mouse IgG1, K Isotype Control

References

Yonehara, S. 1999. Effects of anti-Fas antibodies on lymphocytes and other organs: preparation of original and new monoclonal antibodies and amelioration of systemic autoimmune disease. *Int Rev Immunol* 18(4): 329-45.

Nishimura, Y., A. Ishii, et al. 1995. Expression and function of mouse Fas antigen on immature and mature T cells. *J Immunol* 154(9): 4395-403.

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