CD90.2 Antibody – Rat Monoclonal

PRODUCT OVERVIEW

Product Name	CD90.2 (Thy-1.2), Monoclonal Antibody
Full Product Name	Anti-Mouse CD90.2 (Thy-1.2) SAFIRE Purified
Product Gene Name	anti-CD90.2 antibody
Clonality	Monoclonal
Isotype	Rat IgG2b, kappa
Clone Number	30-H12
Host	Rat
Species Reactivity	Mouse
Form/Format	Phosphate-buffered aqueous solution, ph7.2.
Purity/Purification	The monoclonal antibody was purified utilizing affinity chromatography.
Preparation and Storage	The product should be stored undiluted at 4 degree C.
Endotoxin	The endotoxin level is determined by LAL test to be less than 0.01 EU/ug of the protein.
Conjugation	SAFIRE Purified
Applications Tested/Suitable for anti-CD90.2 antibody	Flow Cytometry (FC/FACS), Functional Assay (FA)
Related Product Information for anti-CD90.2 antibody	The 30-H12 monoclonal antibody specifically binds to Mouse CD90.2, an alloantigen known as Thy-1.2, expressed on thymocytes, mature T cells, epithelial cells, neurons, hematopoietic stem cells, and fibroblasts. CD90 is a membrane glycoprotein that regulates the adhesion and signal transduction in T lymphocytes, and the adhesion of thymocytes to thymic stroma.The interaction between 30-H12 and the antibody to the CD3/TCR complex upregulates thymocytes signal transduction and apoptosis and downregulates mature T cell proliferation. The 30-H12 antibody seems to be unable to cross-link with CD90.1.
Product References and Citations for anti-CD90.2 antibody	Ledbetter, J. A., & Herzenberg, L. A. (1979). Xenogeneic Monoclonal Antibodies to Mouse Lymphoid Differentiation Antigens*. Immunological reviews, 47(1), 63-90. Hathcock, K. (1991). T cell enrichment by cytotoxic elimination of B cells and accessory cells. Current protocols in immunology, 3-3. Nakashima, I. Z. U. M. I., Zhang, Y. H., Rahman, S. M., Yoshida, T. O. M. O. A. K. I., Isobe, K. L., Ding, L. N.,... & Taguchi, R. (1991). Evidence of synergy between Thy-1 and CD3/TCR complex in signal delivery to murine thymocytes for cell death. The Journal of Immunology, 147(4), 1153-1162.
Other Notes	Small volumes of anti-CD90.2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD90.2 purchase	MBS696471 is an antibody targeting CD90.2. Also known as Anti-Mouse CD90.2 (Thy-1.2) SAFIRE Purified. Reactive in Mouse. Host: Rat.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/monoclonal-mouse-antibody/cd90-2-thy-1-2/696471