Rat anti-Mouse CD90/Thy-1 Monoclonal Antibody | anti-THY1 antibody

Rat Anti-Mouse CD90/Thy-1-UNLB

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78680	**Rat**	**Mouse**	**Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD90/Thy-1; Monoclonal Antibody; Rat Anti-Mouse CD90/Thy-1-UNLB; Rat Anti-Mouse CD90/Thy-1 - Purified; Unlabeled Antibody; Rat Anti-Mouse CD90/Thy-1; Thy-1; anti-THY1 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat (Lewis) IgG $_{2c}^{K}$
Clone Number	G7
Specificity	Mouse CD90 (Thy-1.1 and Thy1.2 alloantigens/CD90.1 and CD90.2)
Form/Format	The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
Sequence Length	161
Applicable Applications for anti-THY1 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Mouse T cell hybridoma C6/G8
Preparation and Storage	Store at 2-8°C.

ADDITIONAL INFORMATION

Related Product Information for anti-THY1 antibody	CD90 (Thy-1), a GPI-anchored molecule and one of the smallest members of the immunoglobulin superfamily of cell surface receptors, consists of a single V-set domain. It is expressed on thymocytes, peripheral T lymphocytes, some intraepithelial T lymphocytes, and neurons of all mouse strains. The monoclonal antibody G7 stimulates T-cell proliferation and IL-2 secretion via signaling through the T-cell receptor/CD3 complex. G7 has also been reported to promote apoptosis of thymocytes and CTL clones and to mediate adhesion of thymocytes to thymic stroma.
References	1. Gunter, K., T. Malek, and E. Shevach. 1984. T-cell activating properties of an anti-Thy-1 monoclonal antibody. J. Exp. Med. 159:716. 2. Williams, A.F., and J. Gagnon. 1982. Science 216:696. 3. Kroczek, R.A., K.C. Gunter, R.N. Germain, and E.M. Shevach. 1986. Nature 322:181. 4. Hueber, A.O., G. Raposo, M. Pierres, and H.-T. He. 1994. J. Exp. Med. 179:785. 5. Tentori, L., D.M. Pardoll, J.C. Zunigaq, J. Hu-Li, W.E. Paul, J.A. Bluestone, and A.M. Kruisbeek. 1988. J. Immunol. 140:1089. 6. Sugiyama, E., A. Cantagrei, T. Reno, F. Stafford-Brady, E.T.H. Yeh, and J.V. Bonventre. 1990. Cell. Immunol. 130:271. 7. Ucker, D.S., J. Meyers, and P.S. Obermuller. 1992. J. Immunol. 149:1583. 8. He, H.-T., P. Naquet, D. Caillol, and M. Pierres. 1991. J. Exp. Med. 173:515. 9. Kruisbeek, A.M., and E. Shevach. 1991. Proliferative assays for T cell function. In: Current Protocols in Immunology. Coligan, J., A. Kruisbeek, D. Margulies, E.M. Shevach, and W. Strober. John Wiley & Sons, New York, NY, pp. 3.12.1-3.12.14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224697007
NCBI GeneID	100271931
UniProt Accession #	B9ZSM8
NCBI Official Full Name	CD90 protein
NCBI Official Symbol	THY1
NCBI Official Synonym Symbols	CD90
NCBI Protein Information	thy-1 membrane glycoprotein
UniProt Protein Name	CD90 protein
UniProt Gene Name	**CD90**
UniProt Entry Name	B9ZSM8_PIG

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/cd90-thy-1-antibody-clone-g7-immunohistochemistry-immunocytochemistry-flow-cytometry-elisa/78680