

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	- Gunter, K., T. Malek, and E. Shevach. 1984. T-cell activating properties of an anti-Thy-1 monoclonal antibody. J. Exp. Med. 159:716. - Williams, A.F., and J. Gagnon. 1982. Science 216:696. - Kroczek, R.A., K.C. Gunter, R.N. Germain, and E.M. Shevach. 1986. Nature 322:181. - Hueber, A.O., G. Raposo, M. Pierres, and H.-T. He. 1994. J. Exp. Med. 179:785. - Tentori, L., D.M. Pardoll, J.C. Zuniga, J. Hu-Li, W.E. Paul, J.A. Bluestone, and A.M. Kruisbeek. 1988. J. Immunol. 140:1089. - Sugiyama, E., A. Cantagrei, T. Reno, F. Stafford-Brady, E.T.H. Yeh, and J.V. Bonventre. 1990. Cell. Immunol. 130:271. - Ucker, D.S., J. Meyers, and P.S. Obermuller. 1992. J. Immunol. 149:1583. - He, H.-T., P. Naquet, D. Caillol, and M. Pierres. 1991. J. Exp. Med. 173:515. - 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>