

anti-mouse/rat CD90 (Thy 1.1)

Monoclonal Antibody MRC OX-7 to CD90 (Mouse)

Cat-No: 22150901

100 µg in 100 µl

Clone: MRC OX-7

Specificity: anti-rat CD90 (Thy 1.1) monoclonal antibody recognizes the Thy 1.1 antigenic determinant, designated CD90 on rat as well as mouse cells. This particular determinant has been defined to be monomorphic within rats but polymorphic in the mouse. This antibody reacts with Thy 1.1 mice (ie. AKR) but not Thy 1.2 mice (ie. CBA, BALB/c). The affinity of the F(ab) of this antibody for rat Thy-1 is $3 \times 10^9 \text{ M}^{-1}$ and for mouse Thy 1.1 is $3 \times 10^8 \text{ M}^{-1}$. The Thy-1 antigen is found on a variety of cell types including thymocytes, neuronal cells (mouse, rat), T and immature B cells (rat), breast epithelial cells (rat), and connective tissue. This antibody has been used to determine that the Thy 1.1 molecule is a glycoprotein with 112 amino acids which is homologous to immunoglobulin domains. The Thy-1 antigen is found on a diversity of cell types and thus it can be used as a cell marker. Applications include: flow cytometry

Isotype subclass: Mouse IgG1

Form: Purified

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2)

Expiration date: The reagent is stable until the expiry date stated on the vial label

Storage conditions: Store at 4 °C. For long term storage, aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Application: Flow Cytometry, Immunohistochemistry (frozen sections)

References:

1. Campbell, D.G., Gagnon, J., Reid, K.B.M. and A.F. Williams. (1981) Biochemical J. 195, 15-30.
2. Williams, A.F. and J. Gagnon. (1982) Science 216, 696-703.
3. Neville, D.M. and R.J. Youle. (1982) Immunol. Review 62, 75.
4. Dulbecco, R., Bologna, M. and M. Unga. (1979) Proc. Nat'l. Acad. Sci. 76, 1948.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink, and animal feedingstuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

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