EuroBioSciences

Data Sheet

anti-rat CD45 FITC-conjugated

Cat-No.: R32135F **1 ml**

Clone: MRC OX-30

Specificity: This anti-rat CD45 monoclonal antibody recognizes a monomorphic determinant of the rat leukocyte common antigen (1). The antigen recognized is a heavily glycosylated membrane glycoprotein of molecular weight 170,000 Da on thymocytes but molecular weight 170,000-220,000 Da on other leukocytes. The leukocyte common antigen (L-CA) is a major glycoprotein of haematopoietic cells but is not found on other tissues or erythroid cells. It is present on greater than 95% of thymocytes, bone marrow cells and thoracic duct lymphocytes. This molecule carries much of the carbohydrate of thymocytes and shows interesting heterogeneity amongst T lymphocytes and B lymphocytes (2,3).

Isotype subclass: Mouse IgG2a

Form:
FITC- conjugated. Purified from ascitic fluid via Protein A Chromotography.

Physical state: Liquid

Buffer/Additives/Preservative:
PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4).

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

Storage conditions: Store at 4 °C.Do not freeze. Avoid prolonged exposure to light.

Application:
Flow Cytometry

References:
1. Sunderland,C.A., McMaster, W.R., and A.F. Williams. (1979) Eur.J.Immunol. 9, 155-159
2. Brown, W.R.A., Barclay,A.N. et al. (1981) Nature. 289, 1164-1177.
3. Standring, R. and A.F. Williams. (1978) Biochim.Biophys.Acta. 508, 85-96.
4. Brown, W.R.A. and A.F. Williams. (1982) Immunology. 46, 713-726.
5. Woollet, G.R., Barclay, A.N., Rklavec, M. and A.F. Williams. (1985) Eur. J. Immunol. 15, 168-173

Warning:
Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink, and animal feeding stuff (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.
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