

## anti-rat CD45 FITC-conjugated

**FITC-** conjugated monoclonal antibody MRC OX-30 to rat CD45

Cat-No: **23150453**

500 µl

**Clone:** MRC OX-30

**Specificity:** This anti-rat CD45 monoclonal antibody recognizes a monomorphic determinant of the rat leukocyte common antigen. 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.

**Isotype subclass:** Mouse IgG2a

**Form:** The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 1 % BSA and 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. 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 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 use 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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