

anti-rat CD43 FITC-conjugated

FITC- conjugated monoclonal antibody W3/13 to rat CD43

Cat-No: **23150433**

500 µl

Clone: W3/13

Specificity: This anti-rat CD43 monoclonal antibody recognizes a monomorphic determinant expressed on rat thymocytes, polymorphonuclear cells, plasma cells and stem cells, but not B lymphocytes or pre-B cells. The antigen is a heavily glycosylated glycoprotein of apparent molecular weight 95 kDa and has a high content of O-linked carbohydrate structures. This major glycoprotein of thymocytes and T lymphocytes is referred to by several names including leukocyte sialoglycoprotein and leukosialin. The carbohydrate structures of leukosialin account for approximately 60% of its weight. On thymocytes, this glycoprotein is the main target for binding of peanut lectin. This antibody is useful for labelling T but not B lymphocytes and in studies on stem cells since pre-B cells are not labelled while the multipotential stem cell is. It may be used in analyses of NK cells and in molecular studies in the sialoglycoprotein which it recognizes.

Isotype subclass: Mouse IgG1

Form: The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and 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. Williams, A.F., Galfre, G. and C. Milstein. (1977) Cell. 14, 633-673.
2. Dyer, M.J.S. and S.V. Hunt. (1981) J.Exp.Med. 154, 1164-1177.
3. Brown, W.R.A., Barclay, A.N., Sunderland, C.A. and A.F. Williams. (1981) Nature. 289, 456-460.
4. Brown, W.R.A. and A.F. Williams. (1982) Immunology. 46, 713-726.
5. Cantrell, D.A. Ronibns, R.A. Brooks, C.G. and R.W. Baldwin. (1982) Immunology. 45, 97-103.
6. Killeen, N., Barclay, A.N., Willis, A.C. and A.F. Williams. (1987) The EMBO J., vol.6, #13, 4029-4034.

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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