

anti-human CD42d purified**Cat-No.:** H12434**0.1 mg****Clone:** SW16**Specificity:**

This clone has been derived from hybridisation of SP2/0 cells with spleen cells of a BALB/c mouse immunised with human platelets. This antibody has been clustered to CD42d in the fifth international Workshop on Human White Cell differentiation Antigens in Boston (1993). The monoclonal antibody is directed against the GP V which is expressed on human platelets. The monoclonal antibody reacts with human platelets. It has been shown that the glycoproteins GP V and GP Ib-GP IX form a noncovalent complex in the platelet membrane. The monoclonal antibody does not react with human lymphocytes, granulocytes, monocytes and erythrocytes.

Isotype subclass: Mouse IgG1**Form:**

Ascites fluid of tumor bearing BALB/c mice. Purification: Ammoniumsulphate precipitation and ion exchange chromatography.

Physical state: Liquid**Buffer/Additives/Preservative:**

PBS containing 15 mM 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. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application:

Functional studies on cells. The monoclonal antibody does not inhibit the von Willebrand factor-mediated agglutination of fixed platelets induced by 1.25 mg/ml of ristocetin in the presence of human plasma. Methods: Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

References:

1. Modderman, P.E. et al., J. of Biological Chemistry, 267, 364 (1992).

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.

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