

anti-human CD49e purified**Cat-No.: H12441 0.1 mg****Clone:** NKI-SAM-1**Specificity:**

This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with U937. This antibody has been clustered to CD49e in the fifth international Workshop on Human White Cell differentiation Antigens in Boston (1993). The monoclonal antibody is directed against the CD49e-antigen (GP Ic' or VLA-5 alpha chain), which can form distinct complexes with either the CD29-antigen (GP IIa or VLA beta chain), resulting in the VLA-5 (alpha-5 beta-1) complex which is expressed on human platelets. The monoclonal antibody reacts with platelets and monocytes. The monoclonal antibody reacts weakly with T-cells and granulocytes. The monoclonal antibody also reacts with various cell types of non-haemopoietic origin.

Isotype subclass: Mouse IgG2b**Form:**

Ascites fluid of tumour bearing BALB/c mice. Purification: Ammonium sulphate precipitation and ion exchange chromatography.

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

PBS containing 15mM 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. Methods: Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

References:

Velde, A. te et al., J. of Immunology, 140, 1548 (1988).

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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