

anti-human CD51

Monoclonal Antibody NKI-M9 to CD51 (Human)

Cat-No: 21330511

100 µg in 100 µl

Clone: NKI-M9

Specificity:

This clone has been derived from hybridization of SP2/0 cells with spleen cells of a BALB/c mouse immunized with human melanoma cells. The antibody was submitted to CD51 in the Fourth and Sixth International Workshop on Human Leukocyte Differentiation Antigens.

The monoclonal antibody is directed against the CD51 antigen (VNR, integrin αv), which can form distinct complexes with the CD61 antigen (gpIIb or $\beta 3$ -chain) resulting in the αv - $\beta 3$ complex, which is expressed on human platelets; the $\beta 5$ integrin, resulting in the αv - $\beta 5$ complex, which is expressed on human monocytes and macrophages; the $\beta 1$ integrin, resulting in the αv - $\beta 1$ complex. It also reacts with megakaryocytes and some B cells.

Isotype subclass: Mouse IgG1

Purification: Purified by ion exchange chromatography.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 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. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Functional studies on cells. Indirect immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy. FCM, IF

References: Vries, J.E. de et al., Int. J. Cancer, 38, 465 (1986)

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 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.

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