

# anti-human/-mouse CD49f

## Monoclonal Antibody NKI-GoH3 to CD49f

Cat-No: **21335491**

100 µg in 100 µl

**Clone:** NKI-GoH3

**Species Reactivity:** Human, Mouse

**Specificity:** This clone has been derived from hybridization of SP2/0 cells with spleen cells of Sprague Dawley rats immunized with cells from mammary tumours induced in a BALB/c mouse by the C3H mouse mammary tumour virus. This antibody has been clustered to CD49f in the fifth international Workshop on Human White Cell differentiation Antigens in Boston (1993). The monoclonal antibody is directed against the CD49f-antigen (GP Ic or VLA-6 alpha chain), which can form distinct complexes with either the CD29-antigen (GP IIa or VLA beta chain), resulting in the VLA-6 (alpha-6 beta-1) complex, which is expressed on human platelets, or with the beta-4 integrin resulting in the alpha-6 beta-4 complex, which is expressed on various human epithelial cells. The monoclonal antibody reacts with platelets, megakaryocytes, T lymphocytes and common acute lymphoblastic leukaemia cells (alpha-6 beta-1). In immunohistology the monoclonal antibody reacts with epithelial cells of a variety of tissues, peripheral nerves, microvascular endothelial cells, placenta cyto- and syncytiotrophoblasts.

**Isotype subclass:** Rat IgG2a

**Form:** Culture supernatant. Purification: 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:** Flow Cytometry

### References:

- 1.Sonnenberg, A. et al., J.Biol.Chem., 262, 10376 (1987).
- 2.Hemler, M.E. et al., J.Biol.Chem., 263, 7660 (1988).
- 3.Sonnenberg, A. et al., J.Biol.Chem., 263, 14030 (1988).
- 4.Hemler, M.E. et al., J.Biol.Chem., 264, 6529 (1989).
- 5.Sonnenberg, A. et al., Nature, 336, 487 (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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