

anti-human CD36 FITC-conjugated**Cat-No.: H12431F** **1 ml****Clone:** IVC7**Specificity:**

This clone has been derived from hybridisation of SP2/0 cells with spleen cells of a BALB/c mouse immunized with human monocytes. This antibody has been clustered to CD36 in the Sixth International Workshop on Human White Cell Differentiation Antigens. The monoclonal antibody is directed against the CD36-antigen (gpIV also known as gpIIIb), which is expressed on human thrombocytes (molecular mass 90 kDa). It reacts with monocytes, macrophages, early erythroid cells, megakaryocytes and platelets and weak with B cells. In immunohistology the monoclonal antibody reacts with some endothelial cells, adipocytes and the granular layer of the skin.

Isotype subclass: Mouse IgG1**Form:**

The antibody was purified from ascites using column chromatography (ion exchange chromatography). Conjugated with fluorescein iso thiocyanate isomer 1 (FITC). Molecular F/P ratio is between 5 - 10.

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

PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4)

Storage conditions: Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.**Application:**

Functional studies on cells. Direct immunofluorescence staining with analysis by flow cytometry or fluorescence microscopy.

References:

Asch, A.S. et al., J. Clin. Invest., 79, 1054 (1987).
Ockenhouse, C.F. et al., Science, 243, 1469 (1989).
Tandon, N.N. et al., J. Biol. Chem., 264, 7576 (1989).
Tandon, N.N. et al., J. Biol. Chem., 264, 7570 (1989).

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 only**. Not for use in human. For in vitro use only.
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