anti-human CD29 APC-conjugated

APC-conjugated monoclonal antibody HI29a to human CD29

Cat-No: **21810296** 500 µl

Clone: HI29a

Specificity: HI29a recognizes a transmembrane glycoprotein-130 KD integrin β1 subunit which is as the commonβ1 chain of the very late antigen (VLA) forming a non-covalent heterodimeric complex with one of nice distinct integrins α subunits.

Isotype subclass: Mouse IgG1

Form: The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 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. Avoid prolonged exposure to light.

Application: Indirect immunofluoreescence staining of human cells for flow cytometric analysis.

References: Leukocyte Typing VI. Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997).

Background: CD29 is called VLA-β chain or platelet GPIIa, and has a broad tissue distribution including lymphocytes, monocytes, platelets, fibroblasts, endothelial cells and weakly on granulocytes, but not on erythrocytes. CD29 is an important adhesion molecule involved cell-cell and cell-extracellular matrix interactions and plays a critical role in the functional activity of lymphocytes by influencing cellular migration patterns as well as by transducing intracellular signals that influence lymphocyte function.

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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