

anti-human CD29

Monoclonal Antibody HI29a to CD29 (Human)

Cat-No: **21810291**

100 µg in 100 µl

Clone: HI29a

Specificity: HI29a recognizes a transmembrane glycoprotein-130 KD integrin β 1 subunit which is as the common β 1 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: Purified from ascites by protein-G affinity chromatography.

Purity: > 98% (by SDS-PAGE)

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: Indirect immunofluorescence 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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Gladiolenweg 2; 26169 Friesoythe; Germany
phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com
www.immunotools.com