**CD29 (Integrin β-1) Ab-1 (Clone 4B7R)**

**Mouse Monoclonal Antibody**

Cat. #MS-596-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)

Cat. #MS-596-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)

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**Description:** CD29 (integrin β-1 / gpIIa) is a cell adhesion molecule appearing on platelets, as the common β subunit of the very late activation antigen (VLA), and as a component of various protein complexes binding to extracellular matrix proteins. The CD29 is expressed at the cell surface exclusively as part of a heterodimer, in association with one of at least nine different integrin α subunits (α1, α2, α3, α4, α5, α6, α7, α8, and αv). With the exception of red blood cells and possible weak expression on granulocytes, CD29 is expressed on nearly all cell and tissue types.

**Mol. Wt. of Antigen:** 110kDa (non-reducing) and 130 (reducing)

**Epitope:** Not determined

**Species Reactivity:** Human and Pig. Others-not tested.

**Clone Designation:** 4B7R

**Ig Isotype / Light Chain:** IgG1 / κ

**Immunogen:** Human melanoma V+B2 cell-line.

**Applications and Suggested Dilutions:**

- Flow Cytometry
- Immunofluorescence
- Immunohistology (Frozen)

The investigator should determine the optimal dilution for a specific application.

**Positive Control:** Tonsil.

**Cellular Localization:** Cell membrane

**Storage and Stability:** Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

**Supplied As:** 200µg/ml of antibody purified from ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide at 1mg/ml,

**Suggested References:**


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**Limitations and Warranty:**

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

**Material Safety Data:**

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriately measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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**For Research Use Only**

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**Additional Suggested References:**
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Cat. #MS-596-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)