CD29 (Integrin β-1) Ab-3 (Clone 7F10)
Mouse Monoclonal Antibody
Cat. #MS-1089-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)
Cat. #MS-1089-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)
Cat. #MS-1089-PCS (5 Slides) (Positive Control for Histology)

Description: CD29 or the integrin β-1 belongs to the family of cell adhesion receptors. It was initially characterized independently as protein gpIIa 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 nearly all cell and tissue types.

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

Epitope: N-terminal

Species Reactivity: Human. Others-not known.

Clone Designation: 7F10

Ig Isotype: IgG1

Immunogen: Recombinant protein encoding the N-terminal region of human CD29.

Applications and Suggested Dilutions:
- Immunohistology (Formalin/paraffin) (Use Ab at 1:15 to 1:30 for 60 min at RT)
  * (Staining of formalin-fixed tissues Requires boiling tissue sections in 1mM EDTA, pH 8.0 (Cat. #AP-9004), for 10-20 min followed by cooling at RT for 20 min.)
- May require use of high-sensitivity detection system such as Lab Vision UltraVisionLP, cat# TL-XXX-XX.

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Tonsil

Cellular Localization: Cell membrane

Supplied As: Tissue culture supernatant with 0.09% sodium azide, or Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Storage and Stability: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Suggested References:

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. Appropriate 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.

For Research Use Only
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Additional Suggested References: