

Product Datasheet

Integrin beta 1/CD29 Antibody (MEM-101A) [Biotin] NB110-81701

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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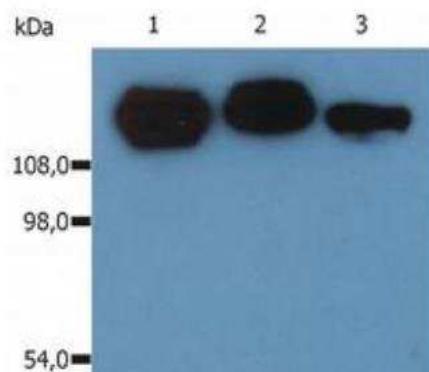
NB110-81701

Integrin beta 1/CD29 Antibody (MEM-101A) [Biotin]

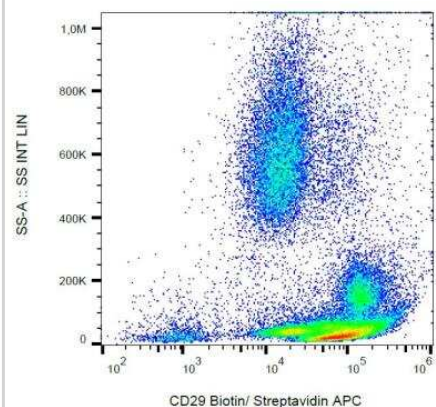
| Product Information | |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size | 0.1 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C. Do not freeze. |
| Clonality | Monoclonal |
| Clone | MEM-101A |
| Preservative | 0.9% Sodium Azide |
| Isotype | IgG1 |
| Conjugate | Biotin |
| Purity | Protein A purified |
| Buffer | PBS (pH 7.4) |
| Target Molecular Weight | 130 kDa |
| Product Description | |
| Host | Mouse |
| Gene ID | 3688 |
| Gene Symbol | ITGB1 |
| Species | Human, Porcine, Canine, Mouse (Negative) |
| Marker | Stem Cell Marker |
| Specificity/Sensitivity | The antibody MEM-101A reacts with CD29 (integrin beta1 chain), a 130 kDa single chain type I glycoprotein expressed as a heterodimer (non-covalently associated with the integrin alpha subunits 1-6). CD29 is broadly expressed on majority of hematopoietic and non-hematopoietic cells (leukocytes, platelets, fibroblasts, endothelial cells, epithelial cells and mast cells). HLDA VI; WS Code AS A048 |
| Immunogen | Raji Burkitt's lymphoma cell line (NM_002211.3). |
| Product Application Details | |
| Applications | Western Blot, Flow Cytometry, Immunoprecipitation |
| Recommended Dilutions | Western Blot 1:1000, Flow Cytometry 1-2 ug/ml, Immunoprecipitation 1:50 |
| Application Notes | Purity is > 95% (by SDS-PAGE). |

Images

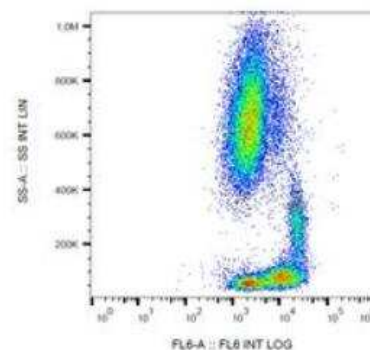
Western Blot: Integrin beta 1/CD29 Antibody (MEM-101A) [Biotin] [NB110-81701] - Western Blotting analysis (non-reducing conditions) of isolated peripheral blood lymphocytes of various species using anti-CD29 (MEM-101A). Lane 1: lysate of human PBL Lane 2: lysate of canine PBL Lane 3: lysate of porcine PBL



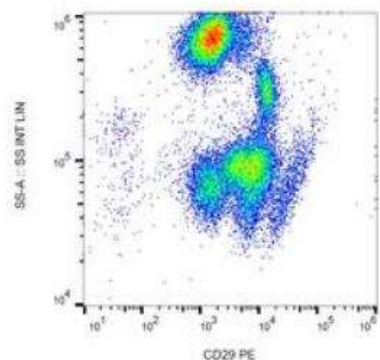
Flow Cytometry: Integrin beta 1/CD29 Antibody (MEM-101A) [Biotin] [NB110-81701] - Surface staining of human peripheral blood with anti-human CD29 (MEM-101A) biotin, streptavidin-APC.



Flow Cytometry: Integrin beta 1/CD29 Antibody (MEM-101A) [Biotin] [NB110-81701] - Surface staining of human peripheral blood with anti-human CD29 (MEM-101A) APC.



Flow Cytometry: Integrin beta 1/CD29 Antibody (MEM-101A) [Biotin] [NB110-81701] - Staining of human peripheral blood with anti-human CD29 (MEM-101A) PE.



Publications

Leukocyte Typing VI, Kishimoto T et al (Eds). Garland Publishing Inc. 1997-01-01

Planka L, Necas A, Srnec R et al. Use of allogenic stem cells for the prevention of bone bridge formation in miniature pigs *Physiol Res* 2009-01-01 [PMID: 19093735]

Details:

This citation used the Biotin version of this antibody.

Simova S, Klima M, Cermak L, Sourkova V, Andera L. Arf and Rho GAP adapter protein ARAP1 participates in the mobilization of TRAIL-R1/DR4 to the plasma membrane *Apoptosis* 2008-03-01 [PMID: 18165900]

Details:

This citation used the FITC version of this antibody.





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Products Related to NB110-81701

| | |
|-----------------|----------------------------------------------------|
| NBP2-29370 | Streptavidin Native Protein |
| NBL1-12069 | Integrin beta 1/CD29 Overexpression Lysate |
| NBP1-96888 | Mouse IgG1 Isotype Control (MG1) [Biotin] |
| NBP2-59570-50ug | Recombinant Human Integrin beta 1/CD29 His Protein |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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