

## Product datasheet for **BM2356**

### CD9 Mouse Monoclonal Antibody [Clone ID: ALB6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ALB6
Applications:	FC, IF, IHC
Recommended Dilution:	<b>Fluorescent Microscopy or Flow Cytometry:</b> 2 µg/5x10 <sup>5</sup> cells/test. <b>Immunohistochemistry on Frozen Sections or Cell smears:</b> 1/25-1/50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human bone marrow malignant cells from acute non-T, non-B leukemia.
Specificity:	The molecular weight of the recognized antigen is 24 kDa. This antibody recognizes 22-43% of peripheral non-T cells (B cells) (4). Recognizes blood platelets and a few of granulous cells on normal bone marrow. Recognizes the majority of acute lymphoid leukemia, non-T, non-B, CALLA positive, some atypic or myeloid leukemias and chronic lymphoid leukemias. Recognizes the distal convoluted tubule and the distal right tubule of nephrons.
Formulation:	Lyophilized from PBS containing 1 mg/ml BSA as stabilizer without preservatives. State: Azide Free State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with 1ml distilled water.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the lyophilized antibody at 2-8°C. After reconstitution store in aliquots at -20°C. The addition of sodium azide at 0.1% (w/v) is recommended for storage up to one month at 2-8°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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<b>Gene Name:</b>	CD9 molecule
<b>Database Link:</b>	<a href="#">Entrez Gene 928 Human P21926</a>
<b>Background:</b>	CD9 antigen is a glycoprotein expressed on the surface of developing B lymphocytes, platelets, monocytes, eosinophils, basophil, stimulated T lymphocytes and by neurons and glial cells in the peripheral nervous system. It belongs to a family of membrane proteins termed tetraspanins which transverse the membrane four times. In pre B cells and platelets, CD9 antigen regulates cell activation and aggregation possibly through an association with the integrin CD41 / CD61 (GPIIb / GPIIIa). It also regulates cell motility in a variety of cell lines, and appears to be an important regulator of Schwann cell behaviour in peripheral nerve.
<b>Synonyms:</b>	MIC3, TSPAN29, GIG2, p24, Tetraspanin-29, 5H9 antigen