



## Mouse Anti Human CD9 Purified

### PRODUCT INFORMATION

**CLONE:** HI9a  
**ISOTYPE:** Mouse IgG1,  $\kappa$   
**WS.No.:** VP018  
**CATALOG#:** A6181/ A6181-bulk  
**CONTENTS:** Purified antibody buffered in 10mM PBS (PH 7.0) with 0.1% NaN<sub>3</sub>.

### DESCRIPTION

CD9 McAb recognizes a 24 KD type III single-chain transmembrane protein which spans the membrane 4 times called TM4. CD9 antigen expresses mainly on platelets (present in the  $\alpha$ -granules), pre-B cells, monocytes, endothelia cells, epithelia cells and activated T cells. CD9 antigen is a marker for 90% non T acute lymphoblastic leukemia cells and 50% acute myeloid leukemia. It is not expressed by hematopoietic progenitor cells nor by resting mature T and B cells. CD9 antigen mediates platelet aggregation and activation and may play a role in cellular adhesion and migration.

### PREPARATION

The monoclonal antibody is purified from ascites by affinity chromatography.

### USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.

### STORAGE

Store at 4°C. Long term storage at -20°C. Avoid freeze and thaw cycles.

### REFERENCES

1. Schlossman S., L. Bloumsell, W. Gilks, et al., eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P: 1196, 1217, 1230, 2003 Oxford University Press, New York.
2. Knapp, W., B. Dorken, E.P.Rieber, et al., eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P: 991, 1076 Oxford University Press, New York.
3. Han JS., Liao XL., Huang LH., et al., 1989. HI117: A monoclonal antibody for purging in vitro autologous marrow grafts in acute leukemia. Chinese J. of Hematology. 10(3):113
4. Wang MJ., et al., 1991. Changes of cytosolic Ca<sup>2+</sup> concentration in FURA-2-Loaden human platelets induced by monoclonal antibodies HIP2, APT4, HI117 and SJ-9A4. Chinese J. of Hematology. 12(2):5

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