



Mouse Anti Human CD9 FITC

PRODUCT INFORMATION

CLONE: HI9a
ISOTYPE: Mouse IgG1, κ
WS.No.: V P018
CATALOG#: A6182/ A6192
CONTENTS: FITC - conjugated antibody buffered in 10mM PBS (pH 7.0) with 0.05% NaN₃ and 1% BSA.

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 α -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 protein G affinity chromatography and is conjugated with FITC under optimum conditions.

USAGE

The FITC conjugation is tested for flow cytometric analysis using 20 μ l/10⁶ cells or 100 μ l peripheral blood cells.

STORAGE

Store at 4°C, should not be frozen and avoid prolonged exposure to light.

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 Ca²⁺ concentration in FURA-2-Loaden human platelets induced by monoclonal antibodies HIP2, APT4, HI117 and SJ-9A4. Chinese J. of Hematology. 12(2):58

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