Mouse Anti-Human CD9

Catalog # **CD09UL-100** **Size** **100 ug**

PRODUCT INFORMATION

CLONE: HI9a
ISOTYPE: Mouse IgG1, κ
WS.No.: P018
Product Forms: Purified, FITC conjugation, PE conjugation.

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, R-PE under optimum conditions.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections.
The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20μl/10^6 cells or 100μl peripheral blood cells.

STORAGE

For purified forms, long term storage at -20oC.
For conjugated forms, storage at 4oC, should not be frozen and avoid prolonged exposure to light.

REFERENCES

1. Schlossman S., L. Bloumsell, W. Gilks, et al., eds. 1995. Leucocyte Typing □: 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 □: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