

## CD9 (HI9a) Antibody

**Subcategory:** Mouse Monoclonal Antibody, PE-conjugated Antibody

**Cat. No.:** 251054

**Unit:** 2 ml

### **Description:**

The CD9 (HI9a) antibody recognizes a 24-kDa type-III single-chain transmembrane protein spanning the membrane 4 times therefore called TM4. The CD9 antigen is mainly expressed on platelets (present in the alpha-granules), pre-B cells, monocytes, endothelia cells, epithelial cells and activated T cells. The CD9 antigen is a marker for 90% non T acute lymphoblastic leukemia cells and 50% acute myeloid leukemia. CD9 is not expressed by hematopoietic progenitor cells nor by resting mature T and B cells. CD9 antigen mediates platelet activation and aggregation playing an important role in cellular adhesion and migration.

**Isotype:** mouse IgG1

**Applications:** FC

**Species Reactivity:** H

**Format:** Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** CD9 antigen; p24; Leukocyte antigen MIC3; Motility-related protein; MRP-1; Tetraspanin-29; Tspan-29; 5H9 antigen; Cell growth-inhibiting gene 2 protein; CD9; MIC3; TSPAN29

**Accession No.:** P21926

**Application Notes:** FC with whole blood: 100  $\mu$ l blood + 20  $\mu$ l antibody; FC with cells: 10E6 cells + 20  $\mu$ l antibody. FC: 1:200-1:1,000

**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

**Product Citations:** Schlossman S. et al., eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P246, Oxford University Press, New York; Knapp W., et al., eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P798, 1078, Oxford University Press, New York; Han JS., et al., 1989. Chinese J. of Hematology. 10(3):113; Wang MJ., et al., 1991. Chinese J. of Hematology. 12(2):58

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