

Datasheet



Mouse mAb to **CD57**
Clone **NK-1**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with human PBL.
Fusion partner: NS-1.

Specifications

NK-1 reacts with CD57, a 110 kDa antigen present on the surface of human NK-cells and T-cell subsets. In adult peripheral blood 20% of mononuclear cells are positive. Other positive tissues include peripheral nerves (myelin-associated glycoprotein) and prostate. Anti-CD57 also stains neuroendocrine cells and their derived tumors, including carcinoid tumor and medulloblastomas. Anti-CD57 can also be useful in separating type B3 thymoma from thymic carcinoma when combined with a panel that includes antibodies against GLUT1, CD5, and CEA.

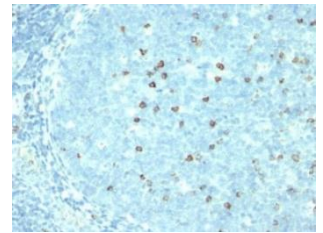


Figure 1: Human tonsil stained with NK-1 (paraffin).

Species reactivity

Positive: human.

Applications

Identify NK-cells and neuroendocrine differentiation and or derivation.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	Tris/EDTA

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.
Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30-60 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes).

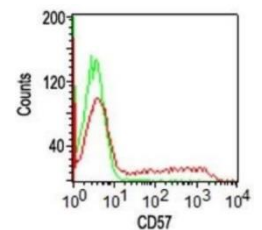


Figure 2: Human PBL stained with NK-1 (FACS).

Positive control

Lymph node or tonsil.

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References

- Abo T et al. *J. Immunol* **127**:1024 (1981).
- Abo T et al. *J Immunol* **129(4)**:1752-7 (1982).
- Abo T et al. *J Immunol* **129(4)**:1758-61 (1982).
- McGarry, RC et al. *Nature* **306**:376 (1983).
- Lanier, LL et al. *J. Immunology* **131**:1789 (1983).