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Monoclonal Antibody to CD57 / HNK1 - FITC

Alternate names: HNK-1, LEU7, NK-1, NK-Cell marker, NK1

Catalog No.: SM1143F

Quantity: 100 Tests

Concentration: 0.1 mg/ml

Background: CD57 recognizes a (Mr 100-110kDa) oligosaccharide antigenic determinant on myeloid cells and on a variety of polypeptides, lipids and chondroitan sulfate proteoglycans. This surface antigen is associated with myelin-associated glycoprotein (MAG). The CD57 antigen is present on 15-20% of normal peripheral blood mononuclear cells. It is expressed on a subset of natural killer cells (60%) and on a subset of T-lymphocytes. This carbohydrate is also present on N-CAM in the nervous system.

Host / Isotype: Mouse / IgM

Clone: TB01

Immunogen: Human neuroblastoma cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3.X63.Ag8653 myeloma cell line.

Format:
State: Liquid purified IgG
Purification: Ion exchange chromatography
Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin
Label: FITC – Fluorescein Isothiocyanate Isomer 1

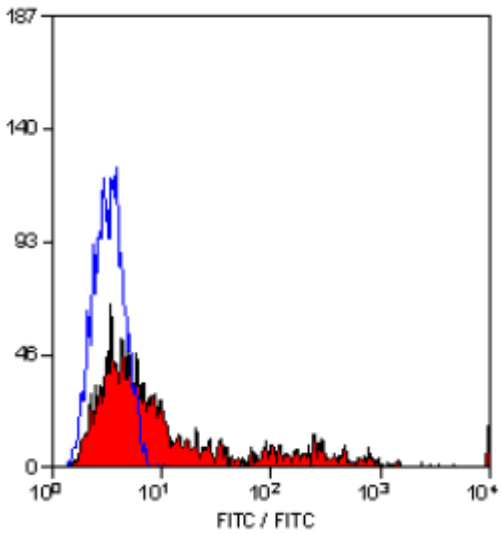
Applications:
Flow cytometry.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
This antibody recognises the CD57 molecule, expressed by NK cells and a subset of T cells.
Species: Human.
Other species not tested.

Storage:
Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch.

General References:
1. Funaro, A. et al. Epitope analysis of human CD57 by means of a panel of newly-generated high-affinity murine monoclonal antibodies. In Leucocyte Typing V: White Cell Differentiation Antigens.
2. Schlossman, S. et al. (1994) Editors. Oxford University Press , (in press).
3. Funaro, A. et al. F. Human CD57, a link molecule between leucocyte and neural cells. In: Leucocyte Typing V: White Cell Differentiation Antigens.

Pictures:



Staining of human peripheral blood lymphocytes with MOUSE ANTI HUMAN CD57:FITC (SM1143F).