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Product datasheet for AM32415SU-N

CD57 / HNK1 Mouse Monoclonal Antibody [Clone ID: 6-13-19-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6-13-19-1
Applications:	IF, IHC, MC
Recommended Dilution:	**Microcytotoxicity.** **Immunofluorescence.** *Recommended Dilutions:* Use 1/5 dilution in PBS containing 1% BSA and 0.02% Sodium Azide. *Positive Control:* Peripheral blood lymphocytes. **Immunohistochemistry on Paraffin Sections.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Jurkat T-cell line
Specificity:	The antibody clone *6-13-19-1* reacts with a 110 kD antigen present on the peripheral blood lymphocyte subset (primarily large granular lymphocytes) identified by the HNK-1 monoclonal antibody. It recognizes part of the Natural Killer cell population. CD57 is furthermore present on cells in neuroectodermal tissue.
Formulation:	State: Liquid
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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Background: Over 100 cell surface markers have been identified through the use of monoclonal antibodies. Many of these markers have proven useful in identifying a specific subpopulation of cells within a mixed colony. Accordingly, these molecules have been assigned a “cluster of differentiation” (CD) designation. T lymphocytes displaying the natural killer (NK) cell marker CD57 (also designated Leu7) on their cell surface are distinguishable from other T cell subsets by their granular lymphocyte morphology and their clonal expansion in patients with AIDS and in recipients of bone marrow transplantation. CD57+ cells have also been shown to localize to sites of certain tumors and large numbers of these cells are detected in the synovial fluid from patients suffering from rheumatoid arthritis.

Synonyms: HNK-1, LEU7, NK-1, NK-Cell marker, NK1