Datasheet for ABIN2689344

anti-CD57 antibody

11 Publications

Go to Product page

Overview

Quantity:	0.2 mg
Target:	CD57 (B3GAT1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD57 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Functional Studies (Func)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Membrane extracts of the HSB-2 T-lymphoblastoid cell line
Clone:	HNK
Isotype:	IgM kappa
Characteristics:	Anti-HNK-1 monoclonal antibody recognizes a 110 kD glycoprotein (CD57) that is expressed on a subset of natural killer (NK) lymphocytes and T lymphocytes. It also recognizes epitopes on neural or neuroectodermal tumors including neurofibromas, malignant melanomas, malignant peripheral neuroectodermal tumors, Ewing's sarcomas, and small-cell lung carcinomas. Anti-HNK-1 monoclonal antibody also recognizes a carbohydrate epitope on subpopulations of several cell-adhesion molecules including N-CAM and myelin-associated glycoprotein (MAG).

Product Details

	BD Pharmingen™ Purified Mouse Anti-Human CD57 - Purified - Clone HNK-1 - Isotype Mouse IgM, κ - Reactivity Hu - 0.2 mg
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	CD57 (B3GAT1)
Alternative Name:	CD57 (B3GAT1 Products)
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.

Publications

Product cited in:	Mechtersheimer, Staudter, Möller: "Expression of the natural killer cell-associated antigens CD56 and CD57 in human neural and striated muscle cells and in their tumors." in: **Cancer research**, Vol. 51, Issue 4, pp. 1300-7, (1991) (PubMed). Jin, Hemperly, Lloyd: "Expression of neural cell adhesion molecule in normal and neoplastic human neuroendocrine tissues." in: **The American journal of pathology**, Vol. 138, Issue 4, pp. 961-9, (1991) (PubMed).

Pinto, Grant, Hayes, Schell, Parham: "Immunohistochemical expression of neuron-specific enolase and Leu 7 in Ewing's sarcoma of bone." in: **Cancer**, Vol. 64, Issue 6, pp. 1266-73, (1989) (PubMed).

Schubert, Zimmermann, Cramer, Starzinski-Powitz: "Lymphocyte antigen Leu-19 as a molecular marker of regeneration in human skeletal muscle." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 86, Issue 1, pp. 307-11, (1989) (PubMed).

Swanson, Manivel, Wick: "Immunoreactivity for Leu-7 in neurofibrosarcoma and other spindle cell sarcomas of soft tissue." in: **The American journal of pathology**, Vol. 126, Issue 3, pp. 546-60, (1987) (PubMed).

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