Datasheet for ABIN135801

anti-CD57 antibody (Biotin)

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Overview

Quantity:	100 tests
Target:	CD57 (B3GAT1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD57 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Membrane extract of the human lymphoblastoid cell line HSB-2
Clone:	NK-1
Isotype:	IgM
Specificity:	Human CD57, Mr 110 kDa
Characteristics:	Mouse Anti-Human CD57-BIOT

Target Details

Target:	CD57 (B3GAT1)
Alternative Name:	CD57 (B3GAT1 Products)
Background:	CD57 represents a 100 kDa oligosaccharide antigenic determinant present on a variety of polypeptides, lipids and chondroitan sulfate proteoglycans. It is expressed on 7-35 % of normal

Target Details

	peripheral blood lymphocytes, including subsets of NK cells and CD8+ T lymphocytes. The function of CD57 is unknown.
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

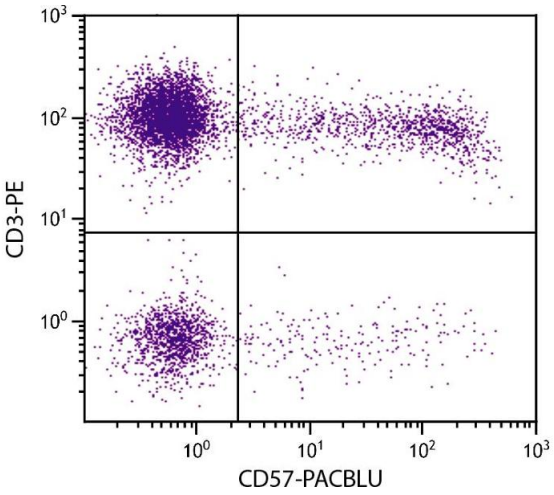
Application Notes:	Working Dilution: FACS: 10 µL/10^6 cells Representative data are included in this product insert. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Restrictions:	For Research Use only

Handling

Buffer:	Product is supplied as 100 tests in 1.0 mL of PBS / NaN3.
Handling Advice:	**Protect conjugated products from light.** Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C

Publications

Product cited in:	Ohta, Taguchi, Matsumura, Nakabayashi, Akiyama, Yamamoto, Fujimoto, Suetomi, Yanai, Shinoda, Tanizawa: "Clock Gene Dysregulation Induced by Chronic ER Stress Disrupts β-cell Function." in: **EBioMedicine**, Vol. 18, pp. 146-156, (2017) (PubMed). Hamamura, Matsunaga, Ikeda, Kondo, Ikeyama, Tokushige, Itcho, Furuichi, Yoshida, Matsuda, Yasuda, Doi, Yokota, Amamoto, Aramaki, Irino, Koyanagi, Ohdo: "Alterations of Hepatic Metabolism in Chronic Kidney Disease via D-box-binding Protein Aggravate the Renal Dysfunction." in: **The Journal of biological chemistry**, Vol. 291, Issue 10, pp. 4913-27, (2016) (PubMed).



Flow Cytometry

Image 1. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD57-PACBLU.