

Anti-human CD57 B3GAT1 Monoclonal Antibody Biotin Conjugated, Flow Validated

Catalog Number: FC09548-Biotin

Introduction

Clone HNK-1 reacts with human CD57, a 110 KDa glycoprotein, which is present on a subset of NK lymphocytes and on a subset of T lymphocytes. It also reacts with myelin-associated glycoprotein in neuroectodermal tissue as well as cells of small cell lung carcinoma.

This antibody is routinely tested by flow cytometric analysis. Flow cytometry and other applications were tested during antibody development by CapricoBio or are reported in the literature.

Application Information

Each lot of this antibody has been quality control tested by flow cytometric analysis of human PBMCs. For flow cytometric staining, the recommended amount (mentioned in each sample vial) of this antibody is enough to stain 0.5ug per 1x10⁶ cells in 100ul of staining volume or 0.1ml whole blood followed by stained with a fluorescent conjugated streptavidin. However, it is strongly suggested that the antibody reactivity be empirically titrated for optimal performance in the application of interest.

Overview

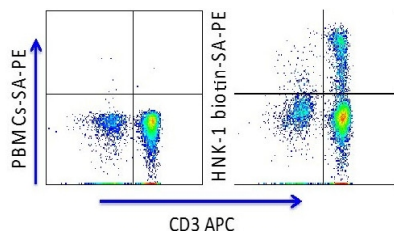
Product Name	Anti-human CD57 B3GAT1 Monoclonal Antibody Biotin Conjugated, Flow Validated
Reactive Species	Human
Description	Boster Bio Anti-human CD57 B3GAT1 Monoclonal Antibody Biotin Conjugated, Flow Validated (Catalog# FC09548-Biotin). Tested in Flow Cytometry application(s). This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry
Clonality	Monoclonal Clone: HNK-1
Formulation	PBS pH 7.2, 0.09% sodium azide
Storage Instructions	Store at 2-8°C. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q9P2W7

Technical Details

Immunogen	Animals were immunized with a membrane extract of the human lymphoblastoid cell line HSB-2.
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Isotype	IgM,k
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Protein A purified
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>User needs to optimize the dilution ratio for this antibody.</p>

Anti-human CD57 B3GAT1 Monoclonal Antibody Biotin Conjugated, Flow Validated (FC09548-Biotin) Images



Lymphocytes gated PBMCs were stained with mouse anti-human CD57 biotin (clone HNK-1) along with mouse anti-human CD3 APC followed by stained with SA-PE (right panel). Lymphocytes gated PBMCs were stained with SA-PE along with mouse anti-human CD3 APC (left panel).

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