

Anti-Hu CD57 Purified B3GAT1 Monoclonal Antibody

Catalog Number: M09548-1

About B3GAT1

CD57, also known as HNK1 or Leu7, is a sulphated trisaccharide (3-O-sulfoglucuronic acid beta1-3 Gal beta1-4 GlcNAc) attached to several glycoproteins, including CD56, myelin glycoprotein PO, and neural cell adhesion molecule L1, as well as on glycolipids and chondroitin sulphate proteoglycans in the nervous system. It serves as a NK cell marker and it is expressed on well differentiated prostate cancers and uveal and cutaneous melanoma. CD57+ T cells are implicated as suppressors of T-cell responses.

Overview

Product Name	Anti-Hu CD57 Purified B3GAT1 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD57 Purified B3GAT1 Monoclonal Antibody (Catalog# M09548-1). Tested in Flow Cytometry, WB, IHC-P, IHC-F, ICC application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC-P, IHC-F, ICC, WB
Clonality	Monoclonal TB01
Formulation	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q9P2W7

Technical Details

Immunogen	A pool of neuroblastoma cell lines. The mouse monoclonal antibody TB01 recognizes CD57, a carbohydrate extracellular antigen present mainly on NK cells, NK T cells, and in neural tissue.
Predicted Reactive Species	Primate
Cross Reactivity	As in case with other anti-CD170 antibodies, this antibody cross-reacts with Siglec-14, whose first two Ig domains are almost identical to those of CD170.
Isotype	Mouse IgM
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow cytometry: 1-4 ug/ml.

Immunohistochemistry: 5-10 ug/ml.

Anti-Hu CD57 Purified B3GAT1 Monoclonal Antibody (M09548-1) Images

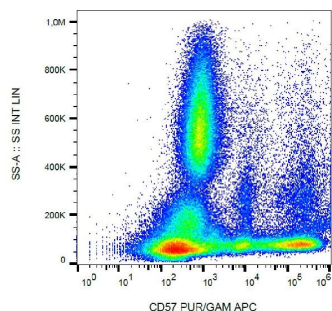


Figure 1. Flow Cytometry validation of B3GAT1 using Anti-Hu CD57 Purified B3GAT1 Monoclonal Antibody (M09548-1).

Flow cytometry analysis (surface staining) of human buffy coat cells with anti-human CD57 (TB01) purified

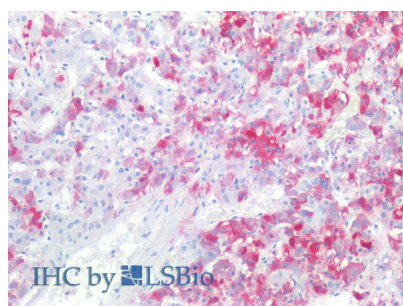


Figure 2. Immunohistochemistry validation of B3GAT1 using Anti-Hu CD57 Purified B3GAT1 Monoclonal Antibody (M09548-1).

Immunohistochemistry staining of human adrenal gland (paraffin-embedded sections) with anti-CD57 (TB01)

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