Product datasheet

Anti-Hu CD57/B3GAT1 Antibody (Clone#TB01)

Catalog Number: *M09548-1*

BOSTER
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Basic Information

Product Name	Anti-Hu CD57/B3GAT1 Antibody (Clone#TB01)
Gene Name	B3GAT1
Source	Mouse
Isotype	IgM
Species Reactivity	human
Tested Application	FCM, WB, IHC, IHC-F, ICC
Contents	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
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.
concentration	1 mg/ml
Purification	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
Dilution Ratios	Flow cytometry: 1-4 µg/ml. Immunohistochemistry: 5-10 µg/ml.

Storage

Store at 2-8°C. Do not freeze.

Background Information

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.

Selected Validation Data

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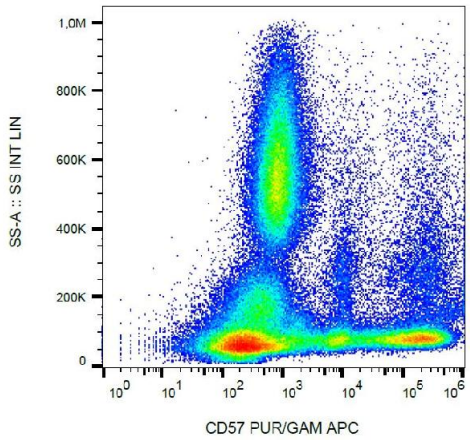

Figure 1. Flow Cytometry validation of B3GAT1 using Anti-Hu CD57 Purified B3GAT1 Monoclonal Antibody (M09548-1).

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