

Anti-Hu CD101 Purified Monoclonal Antibody

Catalog Number: M07106

About CD101

CD101 is a type I transmembrane glycoprotein, which forms disulfide-linked homodimers. It is expressed on activated T cells, as well as on granulocytes, monocytes, dendritic cells or mucosal T cells. It plays a major role in the activation of T cells by skin dendritic cells. Function of CD101 has not been fully elucidated, but in mice its knock-out results in liver autoimmune disease induced by *Novosphingobium aromaticivorans*.

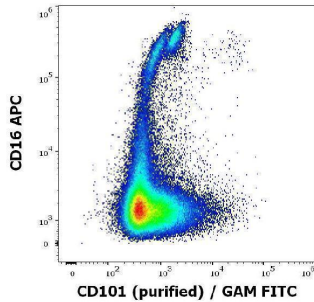
Overview

Product Name	Anti-Hu CD101 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD101 Purified Monoclonal Antibody (Catalog# M07106). Tested in Flow Cytometry, IP, WB, IHC-F application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, IHC-F, WB
Clonality	Monoclonal BB27
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q93033

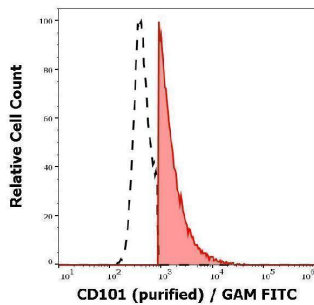
Technical Details

Immunogen	Human thymic clone B12. The mouse monoclonal antibody BB27 recognizes an extracellular epitope of CD101, a 140 kDa disulfide-bonded homodimeric protein expressed on activated T cells, and some other cell types, such as granulocytes and cells of the monocyte/macrophage lineage.
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 IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 1-4 ug/ml.

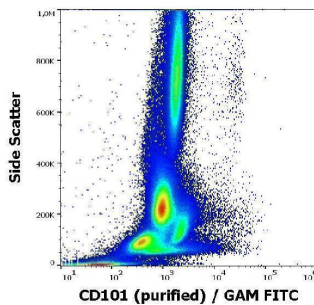
Anti-Hu CD101 Purified Monoclonal Antibody (M07106) Images



Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD101 (BB27) purified antibody (concentration in sample 0,56 µg/ml, GAM FITC) and anti-human CD16 (3G8) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).



Separation of human CD101 positive CD16 negative lymphocytes (red-filled) CD101 negative CD16 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood using anti-human CD101 (BB27) purified antibody (concentration in sample 0,56 µg/ml, GAM FITC).



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD101 (BB27) purified antibody (concentration in sample 0,56 µg/ml, GAM FITC).

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