

Datasheet for ABIN1981871

anti-CD101 antibody**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD101
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD101 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Human thymic clone B12
Clone:	BB27
Isotype:	IgG1
Specificity:	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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	CD101
Alternative Name:	CD101 (CD101 Products)
Background:	CD101 Molecule,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 <i>Novosphingobium aromaticivorans</i> .,IGSF2, V7, EWI-101
Gene ID:	9398
UniProt:	Q93033

Application Details

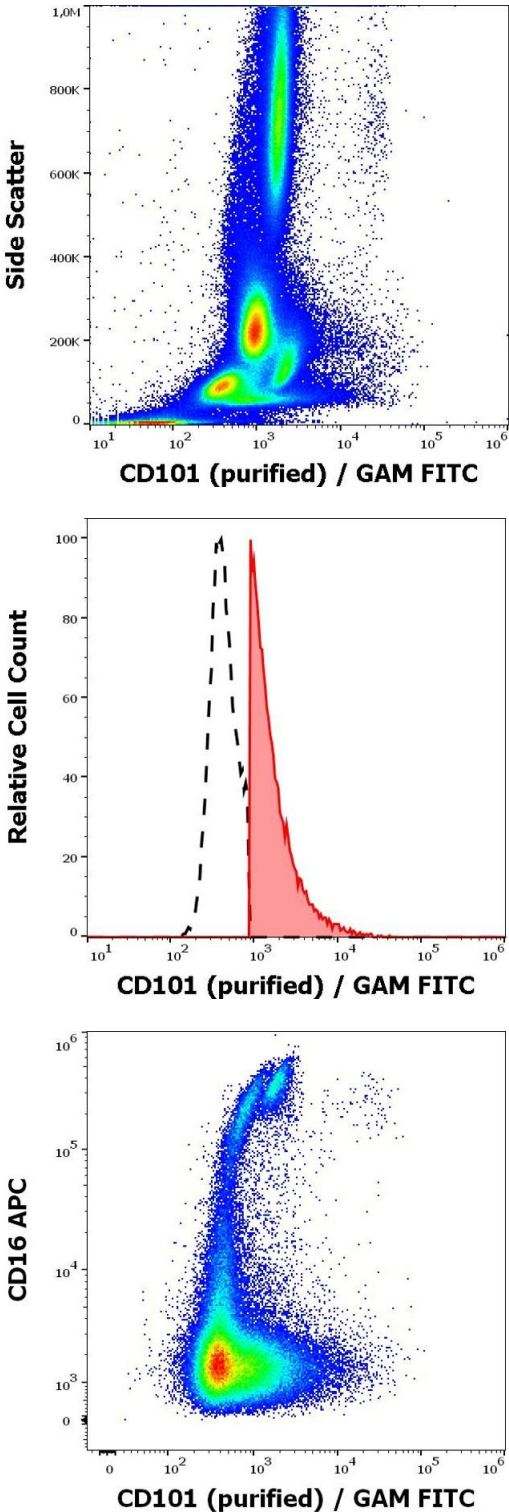
Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Do not use after expiration date stamped on vial label.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Grassi, Dezutter-Dambuyant, McIlroy, Jacquet, Yoneda, Imamura, Boumsell, Schmitt, Autran, Debré, Hosmalin: "Monocyte-derived dendritic cells have a phenotype comparable to that of dermal dendritic cells and display ultrastructural granules distinct from Birbeck granules." in: Journal of leukocyte biology , Vol. 64, Issue 4, pp. 484-93, (1998) (PubMed).
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Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD101 (BB27) purified antibody (concentration in sample 0,56 μ g/mL, GAM FITC).

Flow Cytometry

Image 2. 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 μ g/mL, GAM FITC).

Flow Cytometry

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