

Datasheet for ABIN1981894
anti-CD101 antibody (PE)[Go to Product page](#)

1 Image

2 Publications

Overview

Quantity:	100 tests
Target:	CD101
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD101 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

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 antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CD101
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Target Details

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 Novosphingobium aromaticivorans.,IGSF2, V7, EWI-101
Gene ID:	9398
UniProt:	Q93033

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

Handling

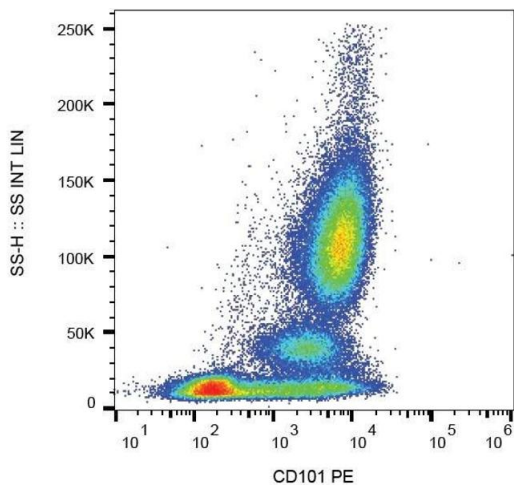
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. 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](#)).

Bagot, Martinel, Charue, Weill, Boulland, Wechsler, Freeman, Bensussan, Boumsell: "CD101 is expressed by skin dendritic cells. Role in T-lymphocyte activation." in: **Tissue antigens**, Vol. 50, Issue 5, pp. 439-48, (1998) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Surface staining of human peripheral blood with anti-CD101 (BB27) PE.