



11-778-C100

Monoclonal Antibody to CD101 Purified Antibody (0.1 mg)

Clone:	BB27
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody BB27 recognizes 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. HLDA V; WS Code T040
Regulatory Status:	RUO
Immunogen:	Human thymic clone B12
Species Reactivity:	Human
Application:	Flow Cytometry Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections)
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	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> .
References:	*Leukocyte Typing V., Schlossman S. et al. (Eds.), Oxford University Press (1995). Bagot M, Martinel I, Charue D, Weill F, Boulland ML, Wechsler J, Freeman GJ, Bensussan A, Boumsell L: CD101 is expressed by skin dendritic cells. Role in T-lymphocyte activation. <i>Tissue Antigens</i> . 1997 Nov;50(5):439-48. *Bagot M, Martinel I, Charue D, Boulland ML, Wechsler J, Bensussan A, Boumsell L: Functional role of CD101 on skin dendritic cells. <i>Adv Exp Med Biol</i> . 1997;417:227-32. *Grassi F, Dezutter-Dambuyant C, McIlroy D, Jacquet C, Yoneda K, Imamura S, Boumsell L, Schmitt D, Autran B, Debré P, Hosmalin A: Monocyte-derived dendritic cells have a phenotype comparable to that of dermal dendritic cells and display ultrastructural granules distinct from Birbeck granules. <i>J Leukoc Biol</i> . 1998 Oct;64(4):484-93.

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Antibodies

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