

ARG23532 anti-CD101 antibody [BB27] (PE)

Package: 50 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [BB27] recognizes CD101. Mouse anti Human CD101 antibody, clone BB27 recognizes human CD101. CD101 is a ~140 kDa homodimeric cell surface glycoprotein expressed primarily by monocytes, granulocytes, dendritic cells and activated T lymphocytes. CD101 plays a major role in the activation of T cells by skin dendritic cells. Mouse anti Human CD101 antibody, clone BB27 has been reported to inhibit allogeneic T-cell responses (Bagot et al. 1997).
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	BB27
Isotype	IgG1
Target Name	CD101
Species	Human
Immunogen	Human thymic clone B12.
Conjugation	PE
Alternate Names	Immunoglobulin superfamily member 2; IgSF2; CD antigen CD101; Cell surface glycoprotein V7; EWI-101; IGSF2; V7; Glu-Trp-Ile EWI motif-containing protein 101

Application Instructions

Application table	Application	Dilution
	FACS	Neat - 1:5
Application Note	<p>FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

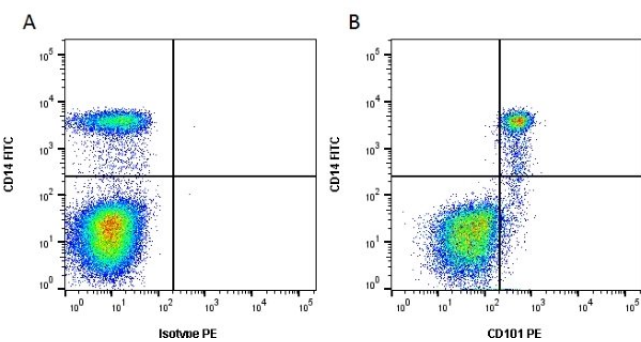
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose.
Preservative	0.09% Sodium azide
Stabilizer	1% BSA and 5% Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

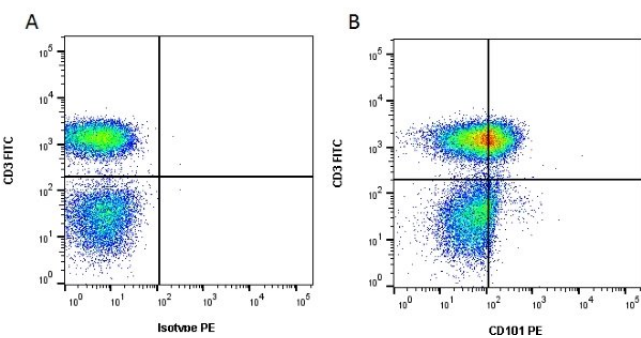
Gene Symbol	CD101
Gene Full Name	CD101 molecule
Function	Plays a role as inhibitor of T-cells proliferation induced by CD3. Inhibits expression of IL2RA on activated T-cells and secretion of IL2. Inhibits tyrosine kinases that are required for IL2 production and cellular proliferation. Inhibits phospholipase C-gamma-1/PLCG1 phosphorylation and subsequent CD3-induced changes in intracellular free calcium. Prevents nuclear translocation of nuclear factor of activated T-cell to the nucleus. Plays a role in the inhibition of T-cell proliferation via IL10 secretion by cutaneous dendritic cells. May be a marker of CD4(+) CD56(+) leukemic tumor cells. [UniProt]
Calculated Mw	115 kDa
PTM	N-glycosylated. [UniProt]

Images



ARG23532 anti-CD101 antibody [BB27] (PE) FACS image

Flow Cytometry: Figure A. FITC conjugated Mouse anti Human CD14 and PE-conjugated Mouse IgG1 isotype control. Figure B. FITC conjugated Mouse anti Human CD14 and ARG23532 anti-CD101 antibody [BB27] (PE). All experiments performed on red cell lysed Human blood gated on mononuclear cells.



ARG23532 anti-CD101 antibody [BB27] (PE) FACS image

Flow Cytometry: Figure A. FITC conjugated Mouse anti Human CD3 and PE-conjugated Mouse IgG1 isotype control. Figure B. FITC conjugated Mouse anti Human CD3 and ARG23532 anti-CD101 antibody [BB27] (PE). All experiments performed on red cell lysed Human blood gated on lymphocytes.