

CD101 Monoclonal Antibody (Moushi101), PE-Cyanine7, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Human, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Moushi101
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2573378

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	6 Publications

Product Specific Information

Description: The monoclonal antibody moushi101 recognizes mouse CD101, also known as IGSF2 and V7 (7 IgV domains). CD101 is a transmembrane glycoprotein containing 7 Ig-like IgV domains and a short cytoplasmic tail with several phosphorylation sites. Cross-linking CD101 can antagonize TCR/CD3-mediated lymphocyte activation. CD101 is expressed on monocytes, granulocytes, dendritic cells, Langerhans cells and activated T cells. In addition, CD101 is found on a subset of CD25+Foxp3+ T regulatory cells that showed higher suppressive properties in vitro and in vivo.

Applications Reported: This Moushi101 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This Moushi101 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

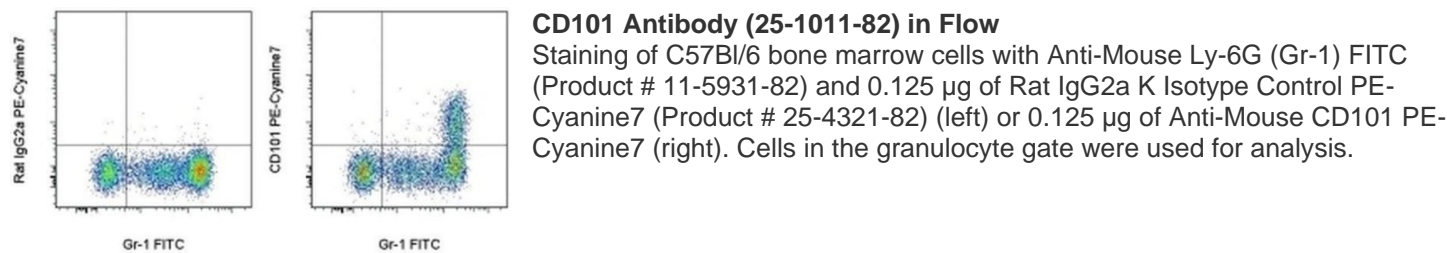
Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-822-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be

made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD101 Monoclonal Antibody (Moushi101), PE-Cyanine7, eBioscience™



6 References

Flow Cytometry (6)

<p>The European respiratory journal</p> <p>Eosinophils protect against pulmonary hypertension through 14-HDHA and 17-HDHA.</p> <p>"25-1011-82 was used in Flow cytometry/Cell sorting to show that in PH development without external inflammatory stimulus, peripheral blood exhibits a low EOS level, in which EOS play a protective role through suppressing perivascular inflammation and maintaining PASMC homeostasis via 14/17-HDHA."</p> <p>Authors: Shu T,Zhang J,Zhou Y,Chen Z,Li J,Tang Q,Lei W,Xing Y,Wang J,Wang C</p>	<p>Year 2023</p> <p>Species Human</p>
<p>Immunity</p> <p>CXCL10 chemokine regulates heterogeneity of the CD8⁺ T cell response and viral set point during chronic infection.</p> <p>"25-1011-82 was used in Flow cytometry/Cell sorting to find that the chemokine receptor CXCR3 is highly expressed on viral-specific stem-like CD8⁺ T cells and that one of its ligands, CXCL10, regulates the persistence and heterogeneity of responding CD8⁺ T cells in spleens of mice chronically infected with lymphocytic choriomeningitis virus."</p> <p>Authors: Ozga AJ,Chow MT,Lopes ME,Servis RL,Di Pilato M,Dehio P,Lian J,Mempel TR,Luster AD</p>	<p>Year 2022</p> <p>Species Mouse</p>

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