

bsm-52079R**[Primary Antibody]**

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FOXP3 Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Clonality:** Recombinant**GeneID:** 50943**Target:** FOXP3**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

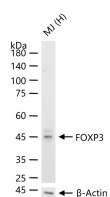
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008].

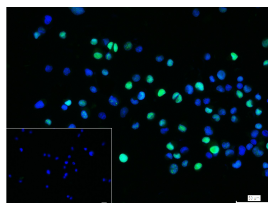
Isotype: IgG**CloneNo.:** 12B1**SWISS:** Q9BZS1**Applications:** WB (1:500-2000)**Flow-Cyt** (1:50-100)**ICC/IF** (1:50-200)**Reactivity:** Human

Predicted
MW.: 47 kDa

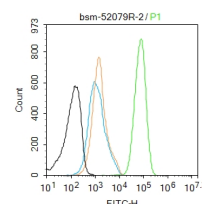
Subcellular
Location: Nucleus

VALIDATION IMAGES

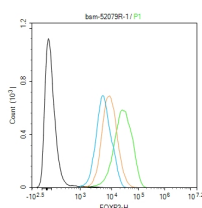
25 µg total protein per lane of various lysates (see on figure) probed with FOXP3 monoclonal antibody, unconjugated (bsm-52079R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed MJ (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (FOXP3) monoclonal Antibody, unconjugated (bsm-52079R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



Blank control: MCF7. Primary Antibody (green line): Rabbit Anti-FOXP3 antibody (bsm-52079R) Dilution: 2 µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF488 Dilution: 1 µg / test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



The MJ (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-FOXP3

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

antibody (bsm-52079R,1:100); Secondary
Antibody (white blue): Goat anti-Rabbit IgG-
BF488 (bs-60295G-BF488): 1 µg/test. Isotype
Control (orange): Rabbit IgG (bs-0295P). Blank
control (black): PBS. Acquisition of 20,000 events
was performed.

— SELECTED CITATIONS —

- **[IF=7.2]** Jin Su. et al. Lactate/GPR81 recruits regulatory T cells by modulating CX3CL1 to promote immune resistance in a highly glycolytic gastric cancer. ONCOIMMUNOLOGY. 2024 Feb 26 WB,IHC ;Human,Mouse. 38419759
- **[IF=5.722]** Judith Heiss. et al. Targeted Interleukin-9 delivery in pulmonary hypertension: Comparison of immunocytokine formats and effector cell study. EUR J CLIN INVEST. 2022 Nov;;e13907 IF ;Mouse. 36377348
- **[IF=5.085]** Wang Ning. et al. CD226 Attenuates Treg Proliferation via Akt and Erk Signaling in an EAE Model. Front Immunol. 2020 Aug;11:1883 IHC ;Mouse. 32983109
- **[IF=2.885]** Sun, Xinxin. et al. 0.1% Nano-silver mediates PD-1/PD-L1 pathway and alleviates chronic apical periodontitis in rats. ODONTOLOGY. 2022 Sep;;1-11 IHC ;Rat. 36057921