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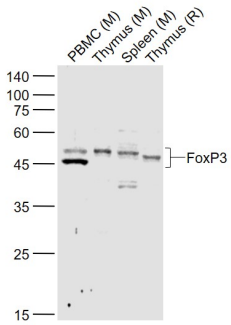
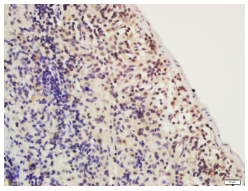
FOXP3 Rabbit pAb

Catalog Number:	bs-10211R
Target Protein:	FOXP3
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (0.2ug/Test)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Pig, Sheep, Cow, Dog, GuineaPig, Horse)
Predicted MW:	47 kDa
Entrez Gene:	50943
Swiss Prot:	Q9BZS1
Source:	KLH conjugated synthetic peptide derived from human FoxP3: 331-431/431.
Purification:	affinity purified by Protein A
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].

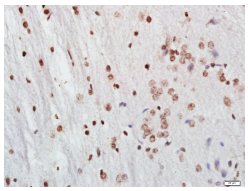
VALIDATION IMAGES



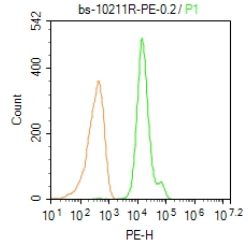
Sample: Lane 1: PBMC (Mouse) Lysate at 40 ug Lane 2: Thymus (Mouse) Lysate at 40 ug Lane 3: Spleen (Mouse) Lysate at 40 ug Lane 4: Thymus (Rat) Lysate at 40 ug Primary: Anti-FoxP3 (bs-10211R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43/45 kD Observed band size: 43/45 kD



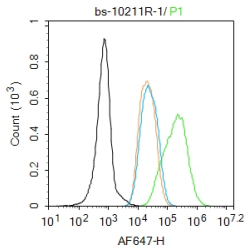
Tissue/cell: rat spleen; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-FoxP3 Polyclonal Antibody, Unconjugated(bs-10211R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



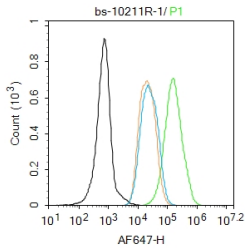
Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-FoxP3 Polyclonal Antibody, Unconjugated(bs-10211R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: Mouse spleen. Primary Antibody (green line): Rabbit Anti-FoxP3/PE Conjugated antibody (bs-10211R-PE) Dilution: 0.2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG-PE . Protocol The cells were fixed with 4% PFA (10min 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. The cells were stained with Primary Antibody for 30 min at room temperature. Acquisition of 20,000 events was performed.



Blank control: MCF7. Primary Antibody (green line): Rabbit Anti-FoxP3 antibody (bs-10211R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min 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.



Blank control: MCF7. Primary Antibody (green line): Rabbit Anti-FoxP3 antibody (bs-10211R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min 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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=24.897] Yuan, Xulei. et al. Systemic antibiotics increase microbiota pathogenicity and oral bone loss. INT J ORAL SCI. 2023 Jan;15(1):1-14 IHC ; Mouse . 36631439

[IF=15.304] Jinbo Li. et al. Autophagy inhibition recovers deficient ICD-based cancer immunotherapy. BIOMATERIALS. 2022 Aug;287:121651 IF ; Mouse . 35777331

[IF=13.3] Han Yan. et al. Bioengineering human heavy-chain nanoferritin for glioblastoma multiforme-specific delivery and efficient immunotherapy. CHEM ENG J. 2024 Nov;:157581 IHC ; Mouse . 10.1016/j.cej.2024.157581

[IF=9.776] Yingli Wang. et al. Paclitaxel derivative-based liposomal nanoplatform for potentiated chemo-immunotherapy. J Control Release. 2022 Jan;341:812 IF ; Mouse . 34953979

[IF=8.806] Li TF et al. Dendritic cell-mediated delivery of doxorubicin-polyglycerol-nanodiamond composites elicits enhanced anti-cancer immune response in glioblastoma.Biomaterials. 2018 Oct;181:35-52. IHC ; Human . 30071380