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Anti-FOXP3 Rabbit mAb [94G94]

Catalog No.: A52123

Basic Information

Catalog No. (Cat.No.)	A52123
Host species	Rabbit
Reactivity	Human,Mouse
Applications	WB,IHC,IP,IF,ELISA
Synonyms	FOXP3,IPEX,IPEX1,Scurfin,forkhead box protein P3

Product Information

Target	FOXP3
Molecular Weight(Calculated)	47 kDa
Molecular Weight(Observed)	47 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	94G94
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Fork-head box P3
Gene Name	*FOXP3*
Domain	NA
Background	FOXP3 (Forkhead Box Protein P3) is a specific member of the forkhead box transcription factor family, specifically expressed in human regulatory T cells (Treg). It plays a core role in regulating immune homeostasis, maintaining immune tolerance and inhibiting inflammatory responses. As a key transcription factor for the development and functional maturation of Treg cells, FOXP3 regulates the expression of multiple immune-related genes, inhibits the excessive activation of effector T cells, reduces abnormal immune responses and avoids autoimmune damage. Downregulated expression or functional defects of FOXP3 lead to Treg cell dysfunction and disrupted immune tolerance, causing autoimmune diseases such as systemic lupus erythematosus and rheumatoid arthritis, and facilitating tumor immune escape and tumor proliferation and metastasis.