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Rabbit Anti-FoxP3 , Alexa Fluor® 680 conjugated antibody

SL10211R-AF680

Product Name	FoxP3, Bodipy Fluor 680 conjugated
Chinese Name	AF680 标记的叉头蛋白 P3 抗体
Alias	Forkhead box protein P3; forkhead box P3; Scurfin; Forkhead box protein P3, C-terminally processed; Forkhead box protein P3 41 kDa form; JM2; AIID; IPEX; PIDX; XPID; DIETER; FOXP3_HUMAN;
Research Area	transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,GuineaPig)
Applications	Flow-Cyt=0.2ug/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	47kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FoxP3: 331-431/431
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	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].

Function:
Probable transcription factor. Plays a critical role in the control of immune response.

Subunit:
Interacts with IKZF3.

Subcellular Location:
Nucleus (Potential).

Post-translational modifications:
Acetylation on lysine residues stabilizes FOXP3 and promotes differentiation of T-cells into induced regulatory T-cells (iTregs) associated with suppressive functions. Deacetylated by SIRT1.

DISEASE:
Defects in FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) [MIM:304790]; also known as X-linked autoimmunity-immunodeficiency syndrome. IPEX is characterized by neonatal onset insulin-dependent diabetes mellitus, infections, secretory diarrhea, trombocytopenia, anemia and eczema. It is usually lethal in infancy.

Similarity:
Contains 1 C2H2-type zinc finger.
Contains 1 fork-head DNA-binding domain.

SWISS:
Q9BZS1

Gene ID:
50943

Database links:

Entrez Gene: 50943 Human

Entrez Gene: 20371 Mouse

Entrez Gene: 317382 Rat

Omim: 300292 Human

SwissProt: Q9BZS1 Human

SwissProt: Q99JB6 Mouse

SwissProt: D3ZKI1 Rat

Unigene: 247700 Human

Unigene: 182291 Mouse