Mouse FOXP3 (Forkhead Box Protein P3) / Scurfin Monoclonal Antibody | anti-FOXP3 antibody

FOXP3 (Forkhead Box Protein P3) / Scurfin Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62623	**Mouse**	**Human, Monkey, Mouse**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

FOXP3 (Forkhead Box Protein P3) / Scurfin; Monoclonal Antibody; FOXP3 (Forkhead Box Protein P3) / Scurfin Mouse Monoclonal Antibody; JM2; AIID; DIETER; IPEX; MGC141961; MGC141963; PIDX; XPID; FOXP3delta7; forkhead box protein P3; immune dysregulation; polyendocrinopathy; enteropathy; X-linked; immunodeficiency; scurfin; anti-FOXP3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	FXP3/197
Specificity	Recognizes a protein of 47-55kDa, which is identified as FOXP3. Its precise epitope is not known, but it has been mapped to the N-terminal portion of the protein. The FOX family of transcription factors is a large group of proteins that share a common DNA binding domain termed a winged-helix or forkhead domain. During early development, FOXP1 and FOXP2 are expressed abundantly in the lung, with lower levels of expression in neural, intestinal and cardiovascular tissues, where they act as transcription repressors. FOXP1 is widely expressed in adult tissues, while neoplastic cells often exhibit a dramatic change in expression level or localization of FOXP1. Mutations in FOXP3 gene cause IPEX, a fatal, X-linked inherited disorder characterized by immune dysregulation. The FOXP3 protein is essential for normal immune homeostasis. Specifically, FOXP3 represses transcription through a DNA binding forkhead domain, thereby regulating T cell activation.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	396
Applicable Applications for anti-FOXP3 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Nuclear and Cytoplasmic
Immunogen	Recombinant human full-length FOXP3 protein
Hu-Chromosome Location	Xp11.23
Positive Control	Tonsil or Testis
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with FOXP3 Monoclonal Antibody (FXP3/197).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with FOXP3 Monoclonal Antibody (FXP3/197).

ADDITIONAL INFORMATION

References	Schubert, L.A., et al. 2001. Scurfin (FOXP3) acts as a repressor of transcription and regulates T cell activation. J. Biol. Chem. 276: 37672-37679

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466190
NCBI GeneID	50943
NCBI Accession #	NP_001107849.1
NCBI GenBank Nucleotide #	NM_001114377.1
UniProt Accession #	Q9BZS1; O60827; Q14DD8; Q4ZH51; A5HJT1; B7ZLG0; B9UN80
Molecular Weight	47-55kDa
NCBI Official Full Name	forkhead box protein P3 isoform b
NCBI Official Synonym Full Names	forkhead box P3
NCBI Official Symbol	FOXP3
NCBI Official Synonym Symbols	JM2; AIID; IPEX; PIDX; XPID; DIETER
NCBI Protein Information	forkhead box protein P3
UniProt Protein Name	Forkhead box protein P3
UniProt Gene Name	**FOXP3**
UniProt Synonym Gene Names	IPEX
UniProt Entry Name	FOXP3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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