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Product datasheet for AM50150PU-S

FOXP3 Mouse Monoclonal Antibody [Clone ID: SPM579]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM579
Applications:	FC, IF, IHC
Recommended Dilution:	**Flow Cytometry:** 0.5-1 µg/million cells. **Immunofluorescence:** 0.5-1 µg/ml. **Immunohistochemistry on Formalin-Fixed Paraffin Sections:** 0.5-1.0 µg/ml for 30 minutes at RT. (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris buffer with 1 mM EDTA, pH 9.0, for 10-20 min. followed by cooling at RT for 20 minutes). ***Positive Control***: Tonsil, lymph node or Breast carcinoma.
Reactivity:	Human, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length human FOXP3 protein.
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. ***Cellular Localization***: Predominantly nuclear, some cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.

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Predicted Protein Size: 47-55 kDa

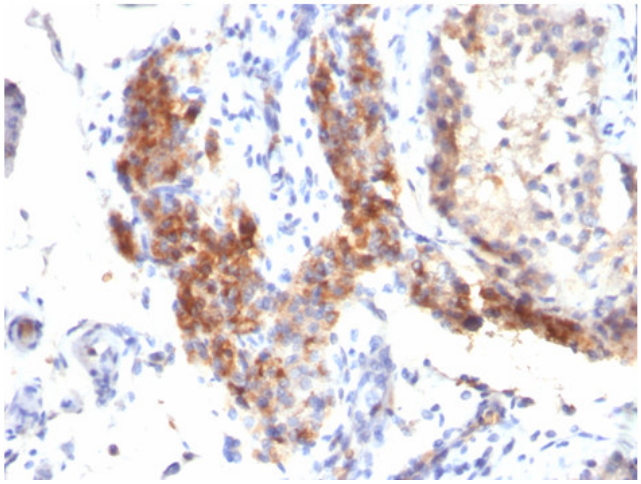
Gene Name: forkhead box P3

Database Link: Entrez Gene 50943 Human
Q9BZS1

Background: 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.

Synonyms: Forkhead box protein P3, IPEX, JM2, Scurfin

Product images:



Formalin-paraffin human Testicular Carcinoma stained with FOXP3 Antibody (Clone SPM579).