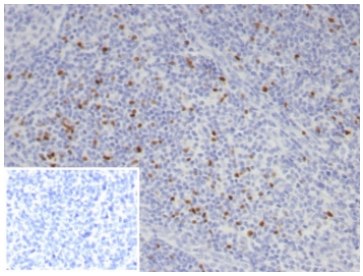
FOXP3 Antibody / Forkhead box protein P3 / Scurfin [clone FOXP3/7990R] (V5295)

Catalog No.	Formulation	Size
V5295-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5295-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5295SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	FOXP3/7990R
Purity	Protein A/G affinity
UniProt	Q9BZS1
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This FOXP3 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with FOXP3 antibody (clone FOXP3/7990R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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.

Application Notes

Optimal dilution of the FOXP3 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 300-431) from the human protein was used as the immunogen for the FOXP3 antibody.

Storage

Aliquot the FOXP3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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