

Datasheet for ABIN6940263

anti-FOXP3 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FOXP3
Reactivity:	Human, Mouse, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FOXP3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length FOXP3 protein
Clone:	FXP3-197
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 47-55 kDa, 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

Product Details

homeostasis. Specifically, FOXP3 represses transcription through a DNA binding forkhead domain, thereby regulating T cell activation.

Purification: Purified by Protein A/G

Target Details

Target: FOXP3

Alternative Name: FOXP3 ([FOXP3 Products](#))

Molecular Weight: 47-55kDa

Gene ID: 50943

Pathways: [Chromatin Binding](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: Positive Control: Tonsil or Testis.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 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)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

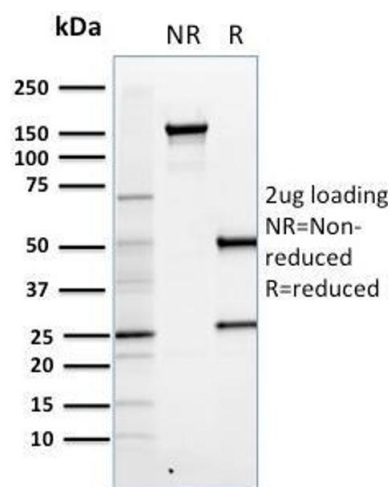
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

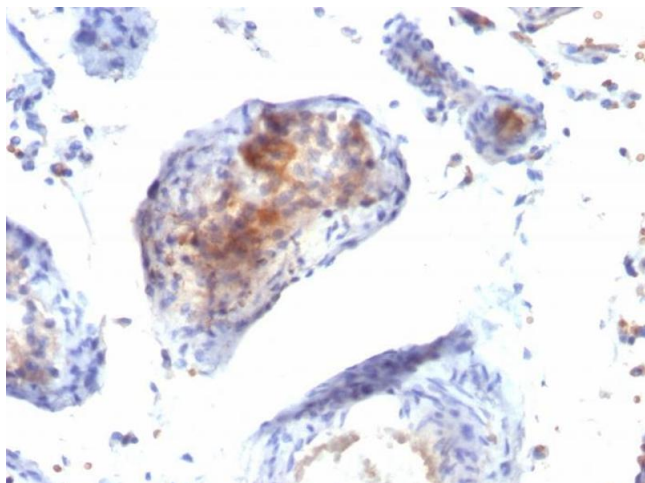
Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



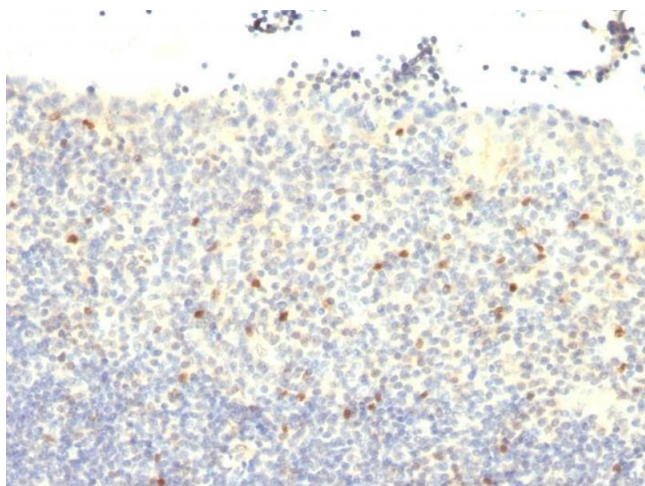
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified FOXP3 Monoclonal Antibody (FXP3/197). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with FOXP3 Monoclonal Antibody (FXP3/197).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with FOXP3 Monoclonal Antibody (FXP3/197).