**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. The gene encoding human FOXP1 maps to chromosome 3p14.1. The gene encoding human FOXP2 maps to chromosome 7q31. The gene encoding FOXP3, a third member of this family, maps to chromosome Xp11.23. Mutations in this gene cause IPEX, a fatal, X-linked inherited disorder characterized with speech and language disorder. Am. J. Hum. Genet. 67: 357-368.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: FOXP3 (human) mapping to Xp11.23; Foxp3 (mouse) mapping to X A1.1.

**SOURCE**

FOXP3 (2A11G9) is a mouse monoclonal antibody raised against purified truncated recombinant FOXP3 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG2a kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

FOXP3 (2A11G9) is available conjugated to agarose (sc-53876 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-53876 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-53876 PE), fluorescein (sc-53876 FITC), Alexa Fluor® 488 (sc-53876 AF488), Alexa Fluor® 546 (sc-53876 AF546), Alexa Fluor® 594 (sc-53876 AF594) or Alexa Fluor® 647 (sc-53876 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-53876 AF680) or Alexa Fluor® 790 (sc-53876 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

In addition, FOXP3 (2A11G9) is available conjugated to either PerCP (sc-53876 PerCP) or PerCP-Cy5.5 (sc-53876 PerCP-C), 100 tests in 2 ml, for IF, IHC(P) and FCM.

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**APPLICATIONS**

FOXP3 (2A11G9) is recommended for detection of FOXP3 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500), flow cytometry (1 µg per 1 x 10⁶ cells) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).


Molecular Weight of FOXP3: 48 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, HeLa whole cell lysate: sc-2200 or NIH/3T3 whole cell lysate: sc-2210.