



## Foxp3 Mouse Monoclonal Antibody

E10-20045

**Background:** The transcription factor Foxp family includes Foxp1, Foxp2, and Foxp3. The Foxp3 (50KDa) plays a key role in CD4(+) CD25(+) regulatory T cell function and represents a specific marker for these cells. Despite its strong association with regulatory T cell function, in humans little is known about the frequency of CD4(+) CD25(+) cells that express FOXP3 protein nor the distribution of these cells in vivo. FOXP3 may be a master regulatory gene and a more specific marker of regulatory T cells than other T cells.

**Catalog Number:** E10-20045

**Amount:** 100µg/100µl

**Clone Number:** 2A11G9, 2A11C2

**Species:** Mouse IgG1

**Aliases:** JM2; AIID; IPEX; PIDX; XPID; DIETER, Foxp3

**Entrez Gene:** 50943

**Immunogen:** Purified recombinant fragment of human Foxp3 expressed in E. Coli.

**Storage:** Store at 4°C, for long term storage, store at -20°C

**Formulation:** Purified antibody in PBS containing 0.03% sodium azide.

**Species Reactivities:** Human; Mouse

**Tested Applications:** WB, IHC, IF, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** WB. 1/500 - 1/2000, IHC. 1/200 - 1/1000, IF. 1/200 - 1/1000, ELISA. Propose dilution 1/10000.

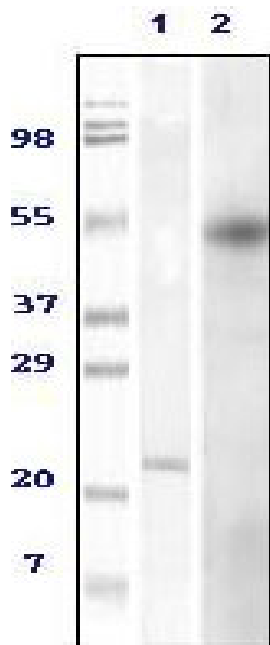


Figure 1. Western blot analysis using Foxp3 mouse mAb against truncated Foxp3 recombinant (1) and HEK293 cell lysate (2).

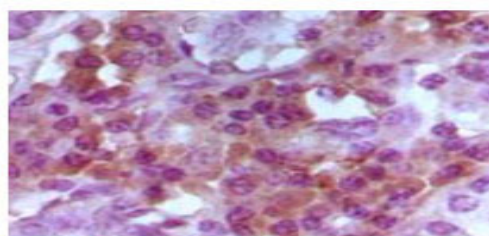


Figure 2. Immunohistochemical analysis of paraffin-embedded human lymphocyte tissue, showing cytoplasmic and nuclear localization using Foxp3 mouse mAb with DAB staining.

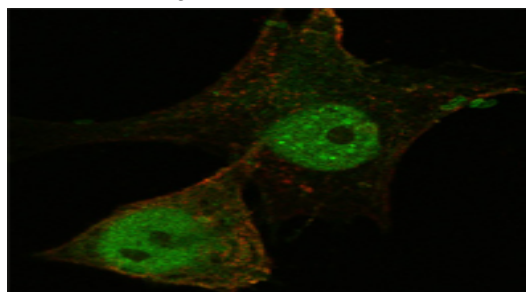


Figure 3. Confocal immunofluorescence analysis of PANC-1 cells using FOXP3 mouse mAb (green). Red. Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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