

Monoclonal Antibody to Foxp3

Cat. #: Mab-606013

Description:

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.

Immunogen/Specificity:

Ni-NTA purified truncated recombinant Foxp3 expressed in E. Coli strain BL21 (DE3)

Applications :

Western Blot: 1:200-1:1000.

IHC: 1: 250- 1: 500

Flow Cytometry: Determining optimal working dilutions by titration test.

Formulation

Antibodies are purified by protein A affinity chromatography and resuspended in PBS with 0.2%BSA, 0.09% sodium azide.

References

1 Roncador G et al. Eur J Immunol. 2005. 35:1681-1691.

2 Yisong YW. PNAS. 2005 102 (14): 5126-5131.

Clone Number: 2A11G9, 2A11C2

Isotype:

Species: Human, Mouse

Storage and Stability: at -20oC

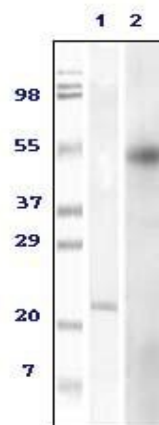


Figure 1: Western blot analysis of human truncated Foxp3 recombinant protein (1) and HEK293 cell extracts (2) with Foxp3 antibody.

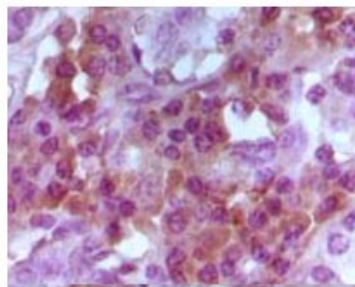


Figure 2: Immunohistochemical analysis of paraffin-embedded human lymphocytes showing cytoplasmic/nuclear localization, using Foxp3 antibody with DAB staining.