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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-FoxP3 Purified Monoclonal Antibody

Catalog Number: M00011-1

About FOXP3

FoxP3 (forkhead box protein 3), a highly conserved forkhead/winged-helix transcription factor, plays a crucial role in maintaining immune homeostasis by governing the development and function of regulatory T cells. It is constitutively expressed at high level in CD25+ CD4+ Treg cells and at low level in a CD25- CD4+ Treg cell subset. Defects in gene encoding FoxP3 protein cause the scurfy phenotype in mice, and in human the IPEX syndrome (immune dysfunction, polyendocrinopathy, enteropathy, X-linked syndrome), also known as X-linked autoimmunity-allergic dysregulation (XLAAD) syndrome.

Overview

Product Name	Anti-FoxP3 Purified Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-FoxP3 Purified Monoclonal Antibody (Catalog# M00011-1). Tested in Flow Cytometry, WB application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, WB
Clonality	Monoclonal 3G3
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q9BZS1

Technical Details

Immunogen	Full-length His-tagged recombinant murine FoxP3. The mouse monoclonal antibody 3G3 recognizes N-terminal region of FoxP3, a 47-55 kDa transcription factor (intracellular antigen), which is the master regulator in the development and function of regulatory T cells.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Western blotting: 2 ug/ml. Flow cytometry: 1-4 µg/ml. Intracellular staining.

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For Research Use Only. Not for use in diagnostic procedures.