

30-2739: Anti-FoxP3 Purified

Clonality :	Monoclonal
Clone Name :	3G3
Application :	FACS, WB
Reactivity :	Human, Mouse
Gene :	FOXP3
Gene ID :	50943
Uniprot ID :	Q9BZS1
Format :	Purified
Alternative Name :	forkhead box P3 Scurfin, JM2, AIID, IPEX, PIDX, XPID, DIETER
Immunogen Information :	Full-length His-tagged recombinant murine FoxP3

Description

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.

Specificity :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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Western blotting: Recommended dilution: 2 Åµg/ml.

Flow cytometry: Recommended dilution: 1-4 Åµg/ml. Intracellular staining.