

### 30-2739: Anti-FoxP3 Purified

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	3G3
<b>Application :</b>	FACS, WB
<b>Reactivity :</b>	Human, Mouse
<b>Gene :</b>	FOXP3
<b>Gene ID :</b>	50943
<b>Uniprot ID :</b>	Q9BZS1
<b>Format :</b>	Purified
<b>Alternative Name :</b>	forkhead box P3 Scurfin, JM2, AIID, IPEX, PIDX, XPID, DIETER
<b>Immunogen Information :</b>	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

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

#### Application Note

Western blotting: Recommended dilution: 2  $\mu$ g/ml.

Flow cytometry: Recommended dilution: 1-4  $\mu$ g/ml. Intracellular staining.