



## Foxp3 Antibody [MF23] (APC)

CATALOG NUMBER: 77-169

### Specifications

<b>SPECIES REACTIVITY:</b>	Mouse
<b>TESTED APPLICATIONS:</b>	FACS
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	The MF23 monoclonal antibody specifically reacts with the mouse 50-55 kDa Foxp3 protein (JM2, IPEX), a member of the forkhead family of transcription factors.
<b>HOST SPECIES:</b>	Rat

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
<b>CONCENTRATION:</b>	0.2 mg/mL
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Rat IgG2b
<b>CONJUGATE:</b>	APC

### Additional Info

<b>ALTERNATE NAMES:</b>	sf, JM2, scurf, Foxp3
<b>OFFICIAL SYMBOL:</b>	Foxp3
<b>GENE ID:</b>	20371

### Background

<b>BACKGROUND:</b>	The MF23 monoclonal antibody specifically reacts with the mouse 50-55 kDa Foxp3 protein (JM2, IPEX), a member of the forkhead family of transcription factors. Foxp3 is expressed by the Treg lymphocytes, whose development and function are influenced by the forkhead protein. Ectopic expression of Foxp3 in T lymphocytes inhibits their activity and cytokine expression. Mutations of Foxp3 result in the "scurfy" mice phenotype. It is reported that the MF23 antibody recognizes an epitope between 1-87 amino acids in the N-terminal domain of mouse Foxp3.
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FOR RESEARCH USE ONLY

December 13, 2016