TECHNICAL DATA SHEET

CyFlow™ FoxP3 Alexa Fluor™ 488
Anti-Hu/Ms; Clone 3G3

REF **BX764200**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	FoxP3
Alternative Names	foxp3 ,Forkhead box P3 ,IPEX ,JM2 ,MGC141961 ,MGC141963 ,PIDX ,XPID
Clone	3G3
Clonality	monoclonal
Format	Alexa Fluor™ 488
Host / Isotype	Mouse / IgG1
Species Reactivity	Human | Mouse
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.5 mg/ml]
Immunogen	Full-length His-tagged recombinant murine FoxP3

Specificity

The mouse monoclonal antibody 3G3 recognizes N-terminal region of FoxP3 antigen, a 47-55 kDa transcription factor, which is the master regulator in the development and function of regulatory T cells.

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Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 4 µg/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

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.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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