

ARG42265
anti-FOXP3 antibody [3G3] (APC)Package: 50 µg
Store at: 4°C

Summary

Product Description	APC-conjugated Mouse Monoclonal antibody [3G3] recognizes FOXP3
Tested Reactivity	Hu, Ms
Tested Application	FACS
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.
Host	Mouse
Clonality	Monoclonal
Clone	3G3
Isotype	IgG1, kappa
Target Name	FOXP3
Species	Mouse
Immunogen	Full-length His-tagged recombinant murine FoxP3.
Conjugation	APC
Alternate Names	FOXP3; Forkhead Box P3; DIETER; XPID; AIID; PIDX; IPEX; JM2; Immune Dysregulation, Polyendocrinopathy, Enteropathy, X-Linked; Forkhead Box Protein P3; SCURFIN; Immunodeficiency, Polyendocrinopathy, Enteropathy, X-Linked; FOXP3delta7; Scurfin

Application Instructions

Application table	Application	Dilution
	FACS	1 - 2 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

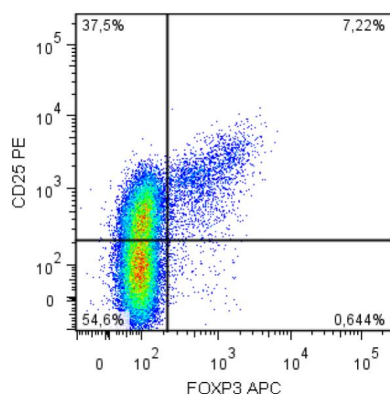
Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Concentration	0.5 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FOXP3
Gene Full Name	forkhead box P3
Background	The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Function	Transcriptional regulator which is crucial for the development and inhibitory function of regulatory T-cells (Treg). [UniProt] Plays an essential role in maintaining homeostasis of the immune system by allowing the acquisition of full suppressive function and stability of the Treg lineage, and by directly modulating the expansion and function of conventional T-cells. [UniProt]
Highlight	Related products: FOXP3 antibodies ; FOXP3 Duos / Panels ; Anti-Rabbit IgG secondary antibodies ; Related news: Tumor-Infiltrating Lymphocytes (TILs)
Research Area	Cell Biology and Cellular Response antibody; Gene Regulation antibody; Immune System antibody; Regulatory T cells Study antibody
Calculated Mw	47 kDa
PTM	Acetylation, Isopeptide bond, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm, Nucleus. [UniProt]

Images



ARG42265 anti-FOXP3 antibody [3G3] (APC) FACS image

Flow Cytometry: Human peripheral blood cells (gated on CD4+ cells) stained with ARG42265 anti-FOXP3 antibody [3G3] (APC) and anti-CD25 antibody (PE).