ARG63507
anti-FOXP3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes FOXP3
Tested Reactivity	Ms
Predict Reactivity	Rat
Tested Application	FACS, IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	FOXP3
Species	Mouse
Immunogen	KRSQRPNKCSNP
Conjugation	Un-conjugated
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

Predict Reactivity Note	This antibody is predicted to react to rat FOXP3 based on the product citation paper. (https://doi.org/10.46235/1028-7221-1013-APO)

Application table

Application	Dilution
FACS	10 µg/ml
IHC-P	2 - 4 µg/ml

Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Tris/EDTA buffer (pH 9.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

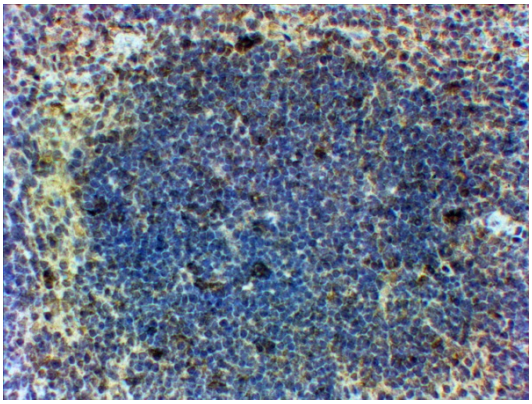
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

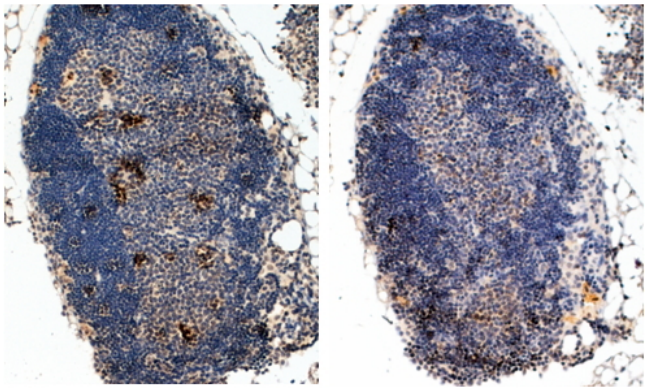
Database links	GeneID: 20371 Mouse Swiss-port # Q99JB6 Mouse
Gene Symbol	FOXP3
Gene Full Name	forkhead box P3
Background	The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, 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



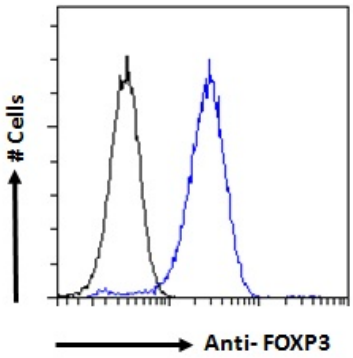
ARG63507 anti-FOXP3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse spleen tissue stained with ARG63507 anti-FOXP3 antibody at 2 - 4 µg/ml dilution.



ARG63507 anti-FOXP3 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Mouse Thymus (Right panel shows staining without primary antibody as negative control). (Steamed antigen retrieval with Tris/EDTA buffer pH 9) stained with ARG63507 anti-FOXP3 antibody at 2 µg/ml dilution followed by HRP-staining.



ARG63507 anti-FOXP3 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed NIH/3T3 cells permeabilized with 0.5% Triton. Cells were stained with ARG63507 anti-FOXP3 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).