Datasheet for ABIN969156

anti-FOXP3 antibody

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Overview

Quantity:	100 µL
Target:	FOXP3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FOXP3 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	FOXP3 Antibody
Immunogen:	Purified recombinant fragment of human FOXP3 expressed in E. Coli.
Clone:	4C7
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	FOXP3
Alternative Name:	FOXP3 (FOXP3 Products)
Background:	FOXP3 (a 431 amino acid protein) is a member of the forkhead/winged-helix family of transcriptional regulators and is highly conserved across mammals. FOXP3 is essential for

Target Details

	normal immune homeostasis. FOXP3 is stably and constitutively expressed at a high level in CD25 + CD4 positive regulatory T cells, at low level in CD4 positive/CD25 negative cells, and is absent in CD4 negative/CD8 positive T cells. FOXP3 may be a master regulatory gene and a more specific marker of regulatory T cells than other T cells.
Molecular Weight:	47.2 kDa
UniProt:	Q9BZS1
Pathways:	Chromatin Binding, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation

Application Details

Application Notes:	ELISA: 1/10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

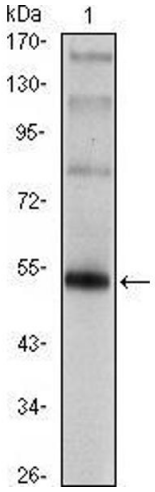
Publications

Product cited in:	Yuan, Chen, Li, Dong, Xue, Wang, Zhang, Wang, Zhang, Ge, Shen, Xu: "Elevated expression of Foxp3 in tumor-infiltrating Treg cells suppresses T-cell proliferation and contributes to gastric cancer progression in a COX-2-dependent manner." in: **Clinical immunology (Orlando, Fla.)**, Vol. 134, Issue 3, pp. 277-88, (2010) (PubMed). Sarigul, Yazisiz, Bassorgun, Ulker, Avci, Erbasan, Gelen, Gorczynski, Terzioglu: "The numbers of Foxp3 + Treg cells are positively correlated with higher grade of infiltration at the salivary

Publications

glands in primary Sjogren's syndrome." in: **Lupus**, Vol. 19, Issue 2, pp. 138-45, (2010) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis using FOXP3 mAb against FOXP3(AA: 2-193)-hIgGFc transfected HEK293 cell.