

FOXP3 Monoclonal Antibody (236A/E7), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Non-human primate, Rhesus monkey
Published Species	Cynomolgus monkey, Rat, Non-human primate, Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	236A/E7
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_467556

Applications	Tested Dilution	Publications
Western Blot (WB)	1-10 µg/mL	2 Publications
Immunohistochemistry (IHC)	-	55 Publications
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	13 Publications
Immunohistochemistry (Frozen) (IHC (F))	5 µg/mL	3 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	-	40 Publications
Immunoprecipitation (IP)	-	1 Publication
Radioimmune Assays (RIA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Description: The 236A/E7 antibody reacts with human Foxp3 protein also known as FORKHEAD BOX P3, SCURFIN, and JM2. Foxp3, a 49-55 kDa protein, is a member of the forkhead/winged-helix family of transcriptional regulators, and was identified as the gene defective in 'scurfy' (sf) mice. Constitutive high expression of Foxp3 mRNA has been shown in CD4+CD25+ regulatory T cells (Treg cells), and ectopic expression of Foxp3 in CD4+CD25- cells imparts a Treg phenotype in these cells.

Intracellular staining and flow cytometric analysis of freshly isolated human peripheral blood mononuclear cells (PBMCs) with the 236A/E7 antibody using the Foxp3/Transcription Factor Staining Buffer Set (cat. 00-5523) and protocol reveals staining of the CD4+CD25bright population.

The epitope from 236A/E7 is different from that of PCH101 (cat. 72-5776). This antibody has also been shown to recognize rhesus macaque, sooty mangabey and cynomolgus macaque.

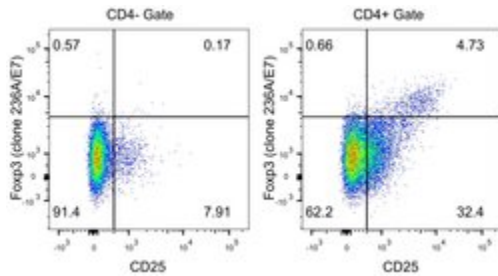
Applications Tested: This 236A/E7 antibody has been tested by immunoblotting and immunohistochemistry of formalin-fixed paraffin embedded tissue using low or high pH antigen retrieval. For western blotting of reduced cell lysates (which include the nuclear fraction) the antibody can be used at 1-10 µg/mL and for IHC can be used at less than or equal to 5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

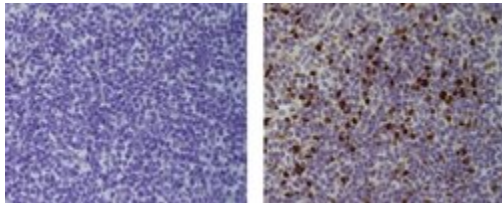
Advanced Verification Data



FOXP3 Antibody (14-4777-82)

Intracellular staining of human peripheral blood cells. As expected based on known expression patterns, Foxp3 clone 236A/E7 stains CD4+CD25+ T cells and does not stain CD4- cells or CD4+CD25- T cells. Details: Normal human peripheral blood cells were surface stained with CD4 (clone OKT4) and CD25 (clone BC96) followed by intracellular staining with Foxp3 (clone 236A/E7) using the Foxp3/Transcription Factor Staining Buffer Set and protocol. Lymphocytes in the CD4- (left) and CD4+ (right) gates were used for analysis. Relative expression validation info.

Product Images For FOXP3 Monoclonal Antibody (236A/E7), eBioscience™



FOXP3 Antibody (14-4777-82) in IHC (P)

Immunohistochemistry of formalin-fixed paraffin embedded human tonsil using 5 µg/mL Mouse IgG1 Isotype Control Purified (left) or 5 µg/mL Anti-Human Foxp3 Purified (right) followed by Anti-Mouse IgG Biotin, Streptavidin-HRP, and DAB visualization. Nuclei are counterstained with hematoxylin.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (2)

The Journal of biological chemistry

Regulatory T Cell Modulation by CBP/EP300 Bromodomain Inhibition.

"Published figure using FOXP3 monoclonal antibody (Product # 14-4777-82) in Immunoprecipitation"

Authors: Ghosh S, Taylor A, Chin M, Huang HR, Conery AR, Mertz JA, Salmeron A, Dakle PJ, Mele D, Cote A, Jayaram H, Setser JW, Poy F, Hatzivassiliou G, DeAlmeida-Nagata D, Sandy P, Hatton C, Romero FA, Chiang E, Reimer T, Crawford T, Pardo E, Watson VG, Tsui V, Cochran AG, Zawadzke L, Harmange JC, Audia JE, Bryant BM, Cummings RT, Magnuson SR, Grogan JL, Bellon SF, Albrecht BK, Sims RJ, Lora JM

Species
Not Applicable

Dilution
Not Cited

Year
2016

Leukemia

Malignant Tregs express low molecular splice forms of FOXP3 in Sézary syndrome.

"14-4777 was used in Western Blotting to investigate the underlying mechanism of immunodeficiency during Sézary syndrome."

Authors: Krejsgaard T, Gjerdrum LM, Ralfkiaer E, Lauenborg B, Eriksen KW, Mathiesen AM, Bovin LF, Gniadecki R, Geisler C, Ryder LP, Zhang Q, Wasik MA, Odum N, Woetmann A

Species
Human

Dilution
Not Cited

Year
2008

Immunohistochemistry (55)

Nature communications

Common clonal origin of conventional T cells and induced regulatory T cells in breast cancer patients.

"Published figure using FOXP3 monoclonal antibody (Product # 14-4777-82) in Immunohistochemistry"

Authors: Xydia M, Rahbari R, Ruggiero E, Macaulay I, Tarabichi M, Lohmayer R, Wilkening S, Michels T, Brown D, Vanuytven S, Mastitskaya S, Laidlaw S, Grabe N, Pritsch M, Fronza R, Hexel K, Schmitt S, Müller-Steinhardt M, Halama N, Domschke C, Schmidt M, von Kalle C, Schütz F, Voet T, Beckhove P

Species
Not Applicable

Dilution
Not Cited

Year
2021

Gynecologic oncology

Immune cell composition in the endometrium of patients with a complete molar pregnancy: Effects on outcome.

"14-4777 was used in Immunohistochemistry to analyse immune cell composition and density in curettaged endometrium of patients with CHM which spontaneously regressed, and of patients with CHM which progressed to post-molar GTN."

Authors: Hoeijmakers YM, Gorris MAJ, Sweep FCGJ, Bulten J, Eysbouts YK, Massuger LFAG, Ottevanger PB, de Vries JIJM

Species
Human

Dilution
1:100

Year
2021

[View more IHC references on thermofisher.com](https://www.thermofisher.com)

More applications with references on thermofisher.com

IHC (P) (13)

IHC (F) (3)

ICC/IF (2)

Flow (40)

IP (1)

RIA (1)

Misc (1)

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