

Product Datasheet

FoxP3 Antibody NB100-39002SS

Unit Size: 0.025 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 2

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NB100-39002SS

FoxP3 Antibody

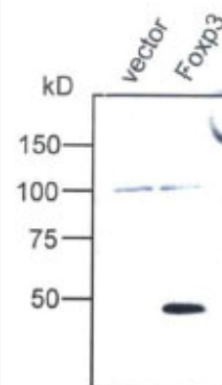
Product Information	
Unit Size	0.025 ml
Concentration	2.0 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	50943
Gene Symbol	FOXP3
Species	Human, Mouse
Species Reactivity	Mouse. This antibody shows reactivity against mouse CD4+CD25+T cells. There appears to be no reactivity against human Jurkat and mouse CD4+CD25-T cell lysates. Human reactivity reported in scientific literature (PMID: 23922187)
Immunogen	A peptide corresponding to amino acids 43-100 of mouse FOXP3. [Swiss-Prot# Q99JB6]

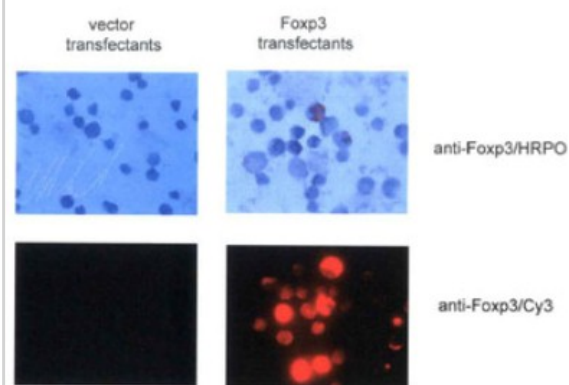
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:8000, Immunocytochemistry/Immunofluorescence 1:500, Immunohistochemistry 1:400, Immunohistochemistry-Paraffin 1:400, Immunoprecipitation, Western Blot 1:2000
Application Notes	This FOXP3 antibody can be used for Immunoprecipitation, Immunohistochemistry paraffin embeded sections and Western blot analysis, where a band is seen ~48 kDa in FOXP3 transfected and CD25/CD4 positive regulatory T cell lysates. In IP transfected FOXP3-HA tagged proteins were used. In IHC-P, staining was observed in the nuclei of mouse spleen cells. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

Images

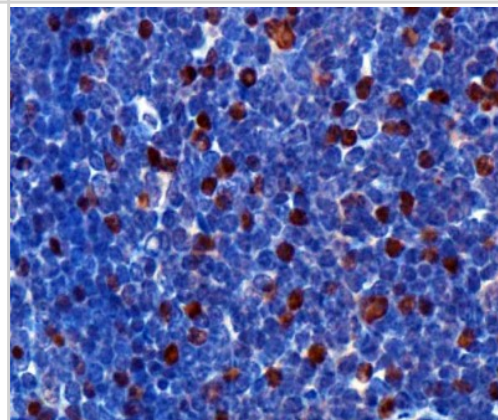
Western Blot: FOXP3 Antibody [NB100-39002] - Jurkat Tag cells were transfected with the expression vector (vector) or with the Foxp3 expression construct (Foxp3). 24 hours after transfection, cells were lysed and analyzed by Western blot with anti-Foxp3 antiserum (1:2000 dilution).



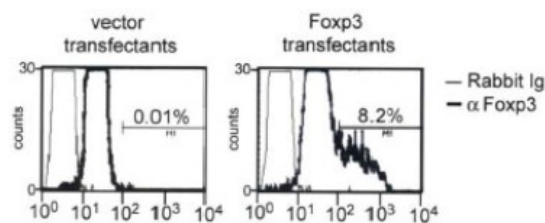
Immunocytochemistry/Immunofluorescence: FOXP3 Antibody [NB100-39002] - The same transfectants were stained with anti-Foxp3 antibody and HRPO-conjugated (upper panel) or Cy3-conjugated (lower panels) secondary antibody. Representative images (x100) are shown.



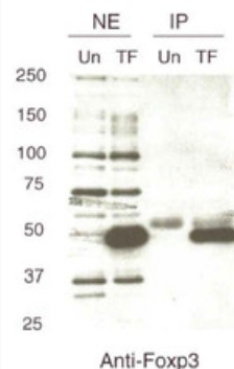
Immunohistochemistry: FOXP3 Antibody [NB100-39002] - FOXP3 antibody was tested in mouse spleen using DAB with hematoxylin counterstain.



Flow Cytometry: FOXP3 Antibody [NB100-39002] - Transfectants from A were permeabilized and stained with anti-Foxp3 antibody and FITC-conjugated secondary antibody. Cells were analyzed by flow cytometry. Percentage of positively stained cells are shown.



Western Blot: FOXP3 Antibody [NB100-39002] - Detection of immunoprecipitated FOXP3 from HA-tagged FOXP3 transfected Jurkat T antigen cells.



Publications

Rajnai H, Heyning FH, Koens L et al. The density of CD8+ T-cell infiltration and expression of BCL2 predicts outcome of primary diffuse large B-cell lymphoma of bone. *Virchows Arch* 2013 Dec 4 [PMID: 24306958] (IHC-P, Human)

Grant BW, Jung SH, Johnson JL et al. A phase 2 trial of extended induction epratuzumab and rituximab for previously untreated follicular lymphoma: CALGB 50701. *Cancer* 2013 Aug 6 [PMID: 23922187] (IHC, Human)



Procedures

Immunohistochemistry-Paraffin Embedded Sections NB100-39002 (NB100-39002)

Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 degrees C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

