

Product datasheet

Anti-FOXP3 antibody [mAbcam 22510] - BSA and Azide free ab188638

[4 Images](#)

Overview

Product name	Anti-FOXP3 antibody [mAbcam 22510] - BSA and Azide free
Description	Mouse monoclonal [mAbcam 22510] to FOXP3 - BSA and Azide free
Host species	Mouse
Specificity	Detects a single clean band on human FOXP3 transfected 293 cells. Gives a very similar staining pattern to the ab20034 on human tonsil, confirming its specificity for FOXP3. Detects FOXP3 in mouse samples in western blot. However, not suitable for mouse in IHC.
Tested applications	Suitable for: WB, IHC-P, IHC-Fr, Flow Cyt
Species reactivity	Reacts with: Rat, Human
Immunogen	Synthetic peptide within Human FOXP3 aa 400 to the C-terminus conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. (Peptide available as ab16809)
Positive control	IHC-P: Human tonsil and spleen tissue. Human colon carcinoma tissue. IHC-Fr: Human tonsil tissue. WB: HEK293 cells overexpressing human FOXP3.
General notes	<p>ab188638 is the PBS only version of ab22510.</p> <p>This antibody clone is manufactured by Abcam.</p> <p>If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact orders@abcam.com or you can find further information here.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own</p>

labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	mAbcam 22510
Isotype	IgG1
Light chain type	kappa

Applications

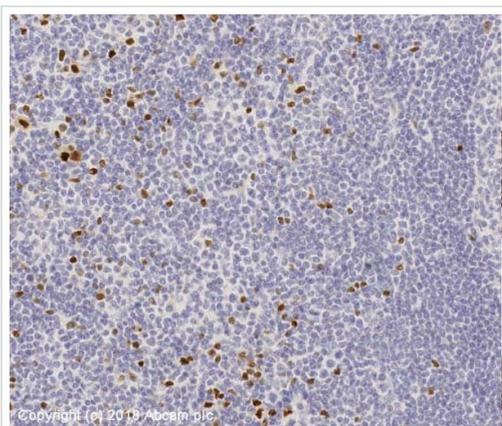
Our [Abpromise guarantee](#) covers the use of **ab188638** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).
IHC-P		1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IHC-Fr		Use at an assay dependent concentration.
Flow Cyt		Use 1µg for 10 ⁶ cells.

Target

Function	Probable transcription factor. Plays a critical role in the control of immune response.
Involvement in disease	Defects in FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) [MIM:304790]; also known as X-linked autoimmunity-immunodeficiency syndrome. IPEX is characterized by neonatal onset insulin-dependent diabetes mellitus, infections, secretory diarrhea, trombocytopenia, anemia and eczema. It is usually lethal in infancy.
Sequence similarities	Contains 1 C2H2-type zinc finger. Contains 1 fork-head DNA-binding domain.
Cellular localization	Nucleus.



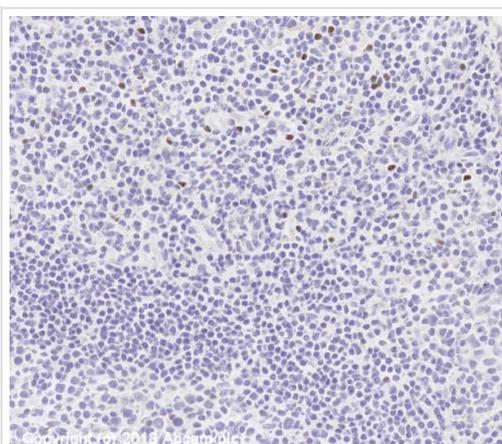
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP3 antibody [mAbcam 22510] - BSA and Azide free (ab188638)

Image produced using the same antibody clone but in a different formulation [ab22510](#).

IHC image of FOXP3 staining in a section of formalin-fixed paraffin-embedded normal human tonsil* performed on a Leica BOND™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with EDTA buffer (pH9, epitope retrieval solution 2) for 20mins. The section was then incubated with [ab22510](#), 10ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



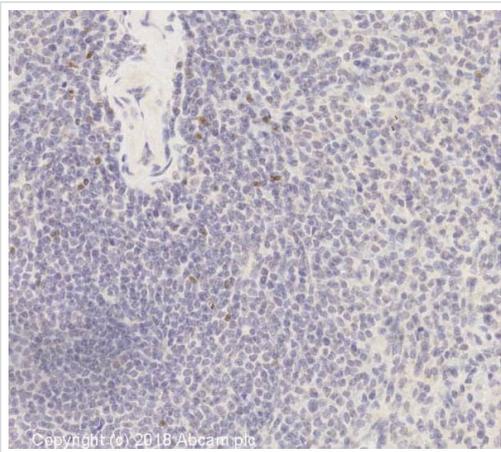
Immunohistochemistry (Frozen sections) - Anti-FOXP3 antibody [mAbcam 22510] - BSA and Azide free (ab188638)

Image produced using the same antibody clone but in a different formulation [ab22510](#).

IHC image of FOXP3 staining in a section of formalin-fixed frozen normal human tonsil* performed on a Leica BOND™ system using the standard protocol F. The section was then incubated with [ab22510](#), 10ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



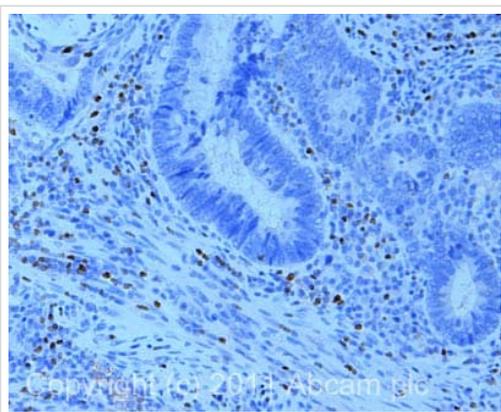
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP3 antibody [mAbcam 22510] - BSA and Azide free (ab188638)

Image produced using the same antibody clone but in a different formulation [ab22510](#).

IHC image of FOXP3 staining in a section of formalin-fixed paraffin-embedded normal human spleen* performed on a Leica BOND™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with EDTA buffer (pH9, epitope retrieval solution 2) for 20mins. The section was then incubated with [ab22510](#), 10ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP3 antibody [mAbcam 22510] - BSA and Azide free (ab188638)

Image produced using the same antibody clone but in a different formulation [ab22510](#).

IHC image of [ab22510](#) staining in human colon carcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with [ab22510](#), 20µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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