

HLDA9 Antibody Validation File

Antibody Information

Antibody name: 236A/E7
Specificity: Human FOXP3
Antibody species: Mouse
Ig Isotype: IgG1
Immunogen: GST-FOXP3 recombinant protein
Epitope recognized: Located between aa 105-235
Specificity: Human

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Antibody validation data

Validation of 236A/E7 monoclonal antibody in transfected cells (Figure 1)
Biochemical characterization of 236A/E7 monoclonal antibody (Figure 2)
FOXP3 expression in reactive human paraffin tonsil (Figure 3)

Figure 1: Validation of 236A/E7 monoclonal antibody in transfected cells

Immunoperoxidase labelling of FOXP3-COS-1 transfectants with 236A/E7 monoclonal antibody. Lack of staining with the 236A/E7 FOXP3 mAb on COS-1 cells transfected with the related FOXP proteins.

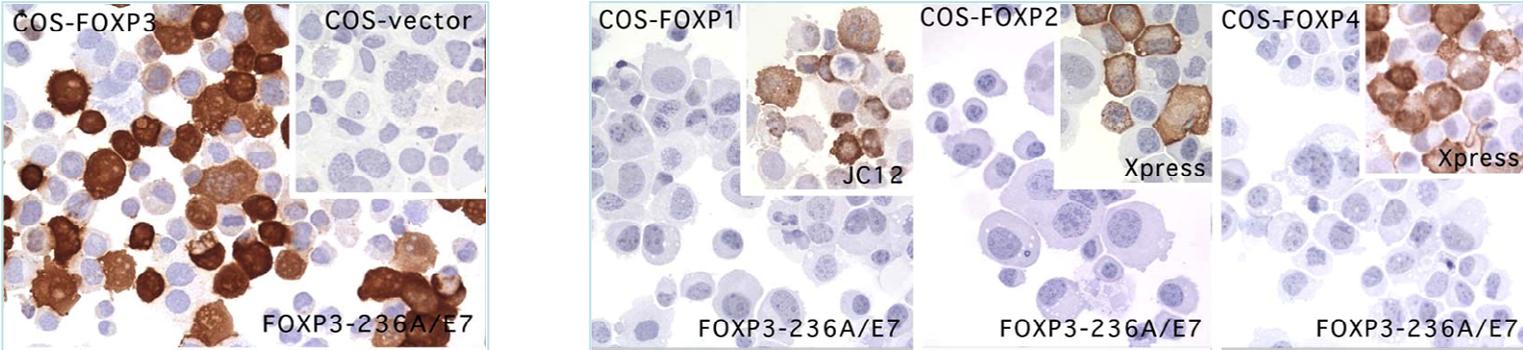


Figure 2: Western Blotting characterisation of 236A/E7 monoclonal antibody

Antibody 236A/E7 recognises the GST-FOXP3 recombinant protein used for immunisation by WB.

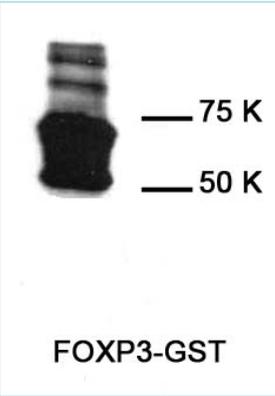
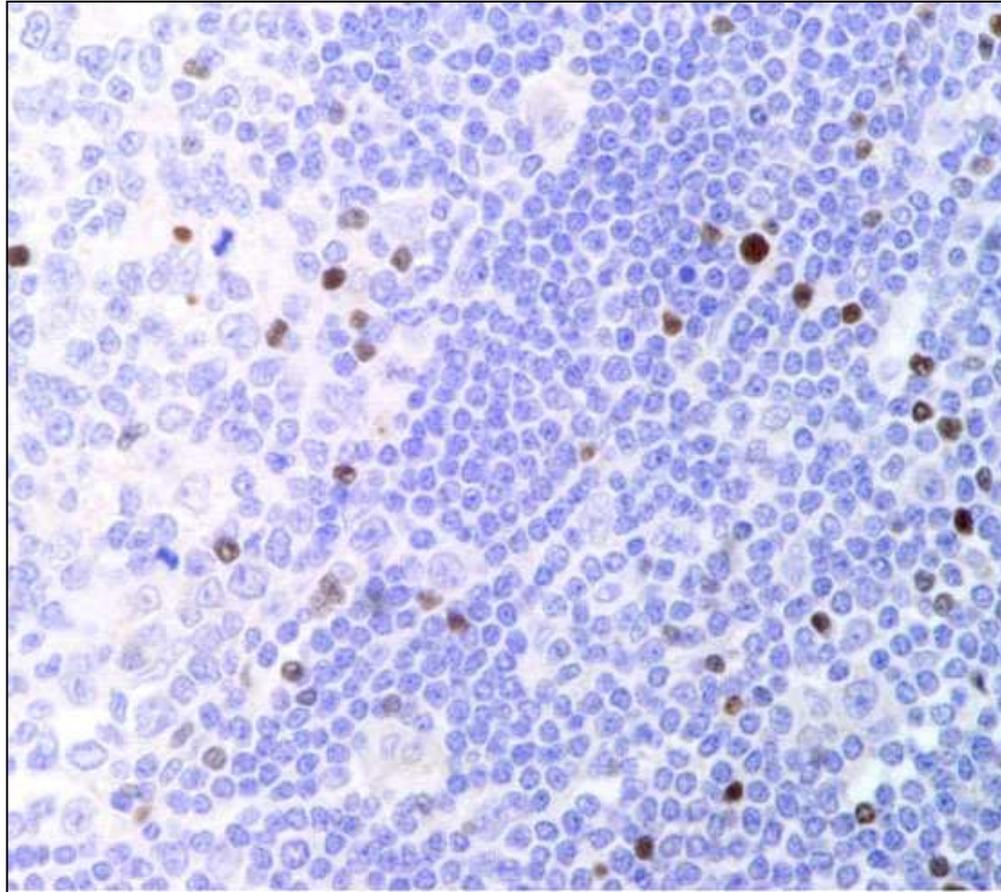


Figure 3: FOXP3 (236A/E7) monoclonal antibody staining of reactive tonsil



Human tonsil: In tonsil the FOXP3 (236A/E7) monoclonal antibody stains the nuclei of regulatory T cells present in the interfollicular area.

Publications using antibody FOXP3 (236A)

Raghavan S, Cao D, Widhe M, Roth K, Herrath J, Engström M, Roncador G, Banham AH, Trollmo C, Catrina AI, Malmström V. FOXP3 expression in blood, synovial fluid and synovial tissue during inflammatory arthritis and intra-articular corticosteroid treatment. *Ann Rheum Dis*. 2008 Dec;68(12):1908-15.

Li, B., Samanta, A., Song, X., Iacono, K.T., Brennan, P., Chatila TA, Roncador G, Banham AH, Riley JL, Wang Q, Shen Y, Saouaf SJ, Greene MI. FOXP3 is a homo-oligomer and a component of a supramolecular regulatory complex disabled in the human XLAAD/IPEX autoimmune disease. *Int Immunol*. 2007 Jul;19(7):825-35.

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Enarsson K., Lundgren A., Kindlund B., Hermansson M., Roncador G., Banham A., Lundin S., Quiding-Järbrink, M. Function and recruitment of mucosal regulatory T cells in human chronic *Helicobacter pylori* infection and gastric adenocarcinoma. *Clinical Immunology*. 2006 Dec; 121(3): 358-68.

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Carreras J, Lopez-Guillermo A, Roncador G, Villamor N, Colomo L, Martinez A, Hamoudi R, Howat WJ, Montserrat E, Campo E. High numbers of tumor infiltrating FOXP3-positive regulatory T-cells are associated with improved overall survival in follicular lymphoma. *Blood*. 2006 Nov 1; 108(9): 2957-64.

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Roncador G, Garcia JF, Garcia JF, Maestre L, Lucas E, Menarguez J, Ohshima K, Nakamura S, Banham AH, Piris MA. FOXP3, a selective marker for a subset of Adult T-cell Leukaemia/Lymphoma. *Leukemia*. 2005 Dec;19(12):2247-53.

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Alvaro T, Lejeune M, Salvadó MT, Bosch R, García JF, Jaén J, Banham AH, Roncador G, Montalbán C, Piris MA. Alvaro T, Lejeune M, Salvadó MT, Bosch R, García JF, Jaén J, Banham AH, Roncador G, Montalbán C, Piris MA. Outcome in Hodgkin's lymphoma can be predicted from the presence of accompanying cytotoxic and regulatory T cells. *Clin Cancer Res*. 2005 11:1467-73.

Patents : NO

Antibody licensed to:

Abcam PLC, 330 Cambridge Science Park, Cambridge, UK.

eBioscience, 6042 Cornerstone Court West, San Diego, CA, USA.

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