

Mouse anti-Chicken TCR gamma delta Monoclonal Antibody

Mouse Anti-Chicken TCRgd-BIOT

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78703	Mouse	Chicken	Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay

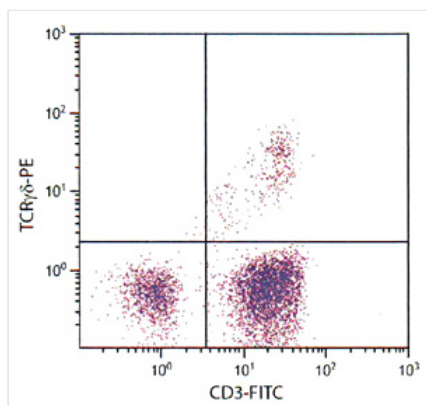
PRODUCT SYNONYMS

TCR gamma delta; Monoclonal Antibody; Mouse Anti-Chicken TCRgd-BIOT; T3ITCR complex; TCR gamma/delta; anti-TCR gamma delta antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Chicken
Clonality	Monoclonal
Isotype	Mouse (BALB/c) IgG1K
Clone Number	TCR1
Specificity	Chicken/Milk Snake TCR gamma/delta; Mr 50 & 40 kDa
Form/Format	Biotin (BIOT) Conjugate
Applicable Applications for anti-TCR gamma delta antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Outbred chicken thymocytes and Ig-negative blood lymphocytes
Characterization	To ensure lot-to-lot consistency, each batch of monoclonal antibody is tested to conform to characteristics of a standard reference reagent using immunofluorescence staining and analysis on a Becton Dickinson FACScan flow cytometer.
Preparation and Storage	The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C.

IMAGES



Application Data

Chicken peripheral blood mononuclear cells were stained with Mouse Anti-Chicken TCRγδ-PE (5B Cat. No. and Mouse Anti-Chicken CD3-FITC.

ADDITIONAL INFORMATION

Related Product Information for anti-TCR gamma delta antibody	The monoclonal antibody TCR-1 precipitates a heterodimer of Mr 90 kDa (two bands of Mr 50 kDa and 40 kDa upon reduction) on chicken peripheral blood T cells. Deglycosylation of the heterodimer yields two polypeptides of Mr 35 kDa and 32 kDa. Unlike human and mouse in which yo cells comprise a minor subset of T lymphocytes in the circulation, the chicken has a relatively large subset of yo T cells. The frequency of TCRgamma/delta cells is typically 20-25% of the total blood T cells but may reach approximately 50% in chickens of six- months of age. The majority of TCRgamma/delta+ cells in the thymus and blood are CD4-CD8- although a small subset of them may express CD8 or CD4 coreceptors. However, when the TCRgamma/delta+ cells migrate into the spleen and intestine most of them begin to express CD8. Although the biological function of yo T cells is unclear, they are clearly capable of cytotoxic activity in vitro. The CD8+ yo T cells may also be involved in down-regulation of the immune response. They cannot, however, induce a graft-vs-host (GVH) reactions.
References	1. Sowder, J.T., C.-L. Chen, L.L. Ager, M.M. Chan, and M.D. Cooper. 1988. J. Exp. Med. 167:315. 2. Chen, C.H., J. Cihak, U. Losch, and M.D. Cooper. 1988. Eur. J. Immunol. 18:539 3. Quere, P., M.D. Cooper, and G.J. Thorbecke. 1990. Immunology 71:517. 4. Chen, C.H., T.W.F. Gobel, T. Kubota, and M.D. Cooper. 1993. 1994. Poultry Science 73:1012. 5. Chen, C.-L. 1996. Personal communication. 6. Sowder, J.T., C.H. Chen, L.L. Ager, J. Cihak, U. Losch, and M.D. Cooper. 1988b. Fed. Proc. 2:874. 7. Cihak, J., U. Losch, G. Hoffman-Hezer, C.H. Chen, M.D. Cooper, and H.W.L. Ziegler-Heitbrock. 1993. Scand. J. Immunol. 38:123.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tcr-gamma-delta-antibody-clone-tcr1-immunoprecipitation-immunohistochemistry-flow-cytometry-elisa/78703>