

Mouse (C3H/HeJ) Anti-Mouse H-2Kd/H-2Dd Secondary Antibody

Mouse Anti-Mouse H-2Kd/H-2Dd-FITC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78690	Mouse	Mouse	Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Mouse (C3H/HeJ) Anti-Mouse H-2Kd/H-2Dd; Monoclonal Secondary Antibody; Mouse Anti-Mouse H-2Kd/H-2Dd-FITC; Mouse Anti-Mouse H-2Kd/H-2Dd - FITC; Mouse (C3H/HeJ) Anti-Mouse H-2Kd/H-2Dd secondary antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Clone Number	34-1-2S
Specificity	An epitope in the alpha 3 domain that is common to H-2Kd and H-2Dd The "classical" MHC Class I molecules are histocompatibility antigens encoded by the H-2 gene complex and consist of heterodimers of highly polymorphic alpha chains noncovalently associated with the invariant beta 2-microglobulin.^{3,4} These antigens are expressed on most nucleated cells but expression varies on different cell types. MHC Class I molecules present endogenously synthesized peptides to CD8+ T lymphocytes, which are usually cytotoxic T cells.⁵ MHC Class I antigens expressed on thymic epithelial cells regulate the positive and negative selection of CD8+ T cells during T cell ontogeny.^{3,6} The monoclonal antibody 34-1-2S binds to a common determinant in the alpha 3 domains of H-2Kd and H-2Dd in the presence or absence of beta 2 microglobulin.^{7,8} It cross reacts with the alpha 3 domain of H-2Kb.^{1,2}
Form/Format	Fluorescein (FITC) Conjugate
Applicable Applications for Mouse (C3H/HeJ) Anti-Mouse H-2Kd/H-2Dd secondary antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	C3H alpha BDF1 mouse splenocytes
Characterization	To ensure lot to lot consistency, each batch of product is tested by flow cytometry to conform to characteristics of a standard reference reagent.
Preparation and Storage	The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2- 8 degree C. The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! Protect conjugated forms from light. Each reagent is stable for the period shown on the bottle label if stored as directed.

ADDITIONAL INFORMATION

References	1. Ozato, K., T.H. Hansen, and D.H. Sachs. 1980. J. Immunol. 125:2473. 2. Ozato, K., and D.H. Sachs. 1981. J. Immunol. 126:317. 3. Lawlor, D.A., et al. 1990. Annu. Rev. Immunol. 8:23. 4. Bjorkman, P.J., et al. 1987. Nature 329:506. 5. Yewdell, J.W., and J.R. Bennett. 1990. Cell 62:203. 6. Zijlstra, M., et al. 1990. Nature 344:742. 7. Allen, H., D. Wraith, P. Pala, B. Askonas, and R.A. Flavell. 1984. Nature 309:279. 8. Allen, H, J. Fraser, D. Flyer, S. Calvin, and R. Flavell. 1986. Proc. Natl. Acad. Sci. USA 83:7447
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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/mouse-c3h-hej-anti-mouse-h-2kd-h-2dd-secondary-antibody-clone-34-1-2s-immunohistochemistry-flow-cytometry-elisa/78690>