

Ly49F Secondary Antibody

Mouse Anti-Mouse Ly-49F-BIOT

CATALOG # AAA78682	HOST Mouse	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

Ly49F; Monoclonal Secondary Antibody; Mouse Anti-Mouse Ly-49F-BIOT; Mouse Anti-Mouse Ly-49F - Biotin; Mouse Anti-Mouse Ly49F; Ly49F secondary antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Mouse (BALB/c) IgG1 kappa
Clone Number	HBF-719
Specificity	B6 allele of the Ly49F receptor The monoclonal antibody HBF-719 reacts with the B6 allele of Ly49F, a member of the lectin-like homodimeric Ly49 family of cell surface receptors. ¹ Mouse Ly49 receptors exhibit allelic specificity for MHC class I Ia molecules and are thought to serve to prevent natural killer (NK) cells from attacking normal cells, while allowing them to attack infected or transformed cells in which class I molecules have been down-regulated. ² These inhibitory receptors are also expressed on subpopulations of mouse CD8+ T cells. The HBF-719 antibody stains ~ 11% of NK1.1+CD3-splenocytes, and 3.5% (2.5 month old) to 10.0% (11 month old) of CD8+ spleen cells from C57BL/6 mice. ¹
Form/Format	Biotin (BIOT) Conjugate
Applicable Applications for Ly49F secondary antibody	FCM/FACS (Flow Cytometry)
Immunogen	CHO cells transfected with the B6 allele of Ly49F
Characterization	To ensure acceptable performance, 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! The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Aliquot and store at or below -20 degree C. Protect conjugated forms from light. Aliquot and freeze the low endotoxin, azide-free product at -20 degree C immediately upon receipt. Each reagent is stable for the period shown on the bottle label if stored as directed.

ADDITIONAL INFORMATION

References	1. Coles, M.C., C.W. McMahon, H. Takizawa, and D.H. Raulet. 2000. Eur. J. Immunol. 30:236. 2. Ljunggren, H.G., and K. Karre. 1990. Immunol. Today 11:237. 3. Liu, S., and D.H. Raulet. Personal communication.
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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://www.aaabiotech.com/monoclonal/ly49f-secondary-antibody-clone-hbf-719-flow-cytometry-elisa/78682>