

Rat anti-Mouse Ly6A/E Monoclonal Antibody | anti-Ly6A/E antibody

Ly6A/E antibody (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA107326	Rat	Mouse	Flow Cytometry, Functional Assay

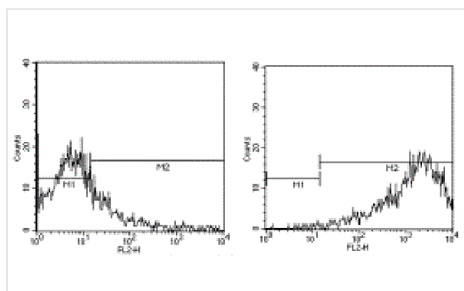
PRODUCT SYNONYMS

Ly6A/E; Monoclonal Antibody; Ly6A/E antibody (PE); Monoclonal Ly6A/E; Anti-Ly6A/E; Ly6AE; Ly6E; LyA/E 6; LyA/E-6; Ly6A; Sca1; anti-Ly6A/E antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	D7
Specificity	Mouse
Form/Format	Affinity purified liquid in PBS, pH 7.2, with 0.1% Gelatin, and 0.09% NaN ₃
Concentration	0.2 mg/ml (varies by lot)
Applicable Applications for anti-Ly6A/E antibody	FCM/FACS (Flow Cytometry)
Biological Significance	The D7 monoclonal antibody reacts with mouse Sca-1, an 18 kDa member of the Ly-6 family of GPI-linked surface proteins. D7 reacts with both Ly-6E.1 and Ly-6A.2 molecules expressed by mouse hematopoietic stem cells, myeloid population and peripheral T and B cells. Non-activated splenocytes from Ly-6.2 strains including C57BL, SJL, 129, AKR, and others demonstrate higher frequency of D7-positive cells compared to the Ly-6.1 strains such as BALB/c, C3H, NZB and others. Sca-1 is expressed at high levels upon activation regardless of the Ly-6 haplotype. The Ly-6 family is involved in regulation and function of T cell activation. Sca-1 is a major phenotypic marker for mouse hematopoietic progenitor/stem cell subset.
Tag/Conjugate	PE
Preparation and Storage	Store 4°C in the dark. DO NOT FREEZE!

IMAGES



FCM/FACS (Flow Cytometry)

Staining of 3-day ConA stimulated (right) or unstimulated (left) BALB/c mouse splenocytes with 0.06 ug of Ly-6A/E antibody (PE). Total viable cells were used for analysis. Markers were set based on the autofluorescence sample.

ADDITIONAL INFORMATION

Related Product Information for anti-Ly6A/E antibody	Rat monoclonal Ly6A/E antibody (PE)
Product Categories/Family for anti-Ly6A/E antibody	Immunology; Conjugated Monoclonal Antibodies

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/ly6a-e-antibody-clone-d7-flow-cytometry-elisa/107326>