

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

Ly6A/E antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108104	Rat	Mouse Sca-1, an 18kDa member of the LY-6 family of GPI-linked surface proteins	Flow Cytometry, Functional Assay

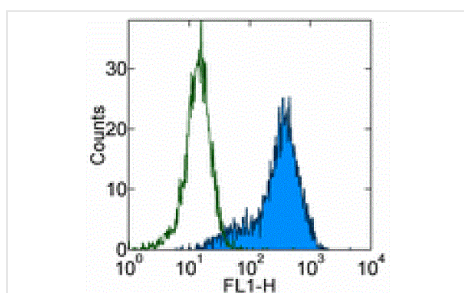
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse Sca-1, an 18kDa member of the LY-6 family of GPI-linked surface proteins
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	D7
Specificity	Mouse
Purity/Purification	Ly6A/E antibody was purified by affinity chromatography.
Form/Format	Liquid in aqueous buffer, 0.09% sodium azide, may contain carrier protein stabilizer
Concentration	0.5 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.
Preparation and Storage	Store at 4°C

IMAGES



FCM/FACS (Flow Cytometry)

Staining of 3-day ConA activated C57Bl/6 splenocytes with 0.5 ug of Rat IgG2a kappa Isotype Control (open histogram) or 0.5 ug of Ly-6A/E antibody (filled histogram) followed by Anti-Rat IgG (FITC). Total viable cells were used for analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-Ly6A/E antibody	Rat monoclonal Ly6A/E antibody
Product Categories/Family for anti-Ly6A/E antibody	Immunology

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/ly6a-e-antibody-clone-d7-flow-cytometry-elisa/108104>