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31-2027: Rat Anti-Mouse Ly-6A/E-LENA™ (Low Endotoxin No Azide) Clone: D7

Clonality :	Monoclonal
Clone Name :	D7
Application :	IP,IHC-Fr,IHC,FACS,WB
Gene :	Ly6a
Gene ID :	110454
Uniprot ID :	P05533
Alternative Name :	Lymphocyte antigen 6A-2/6E-1, Ly-6A.2/Ly-6E.1, Stem cell antigen 1, T-cell-activating protein, TAP, SCA-1
Isotype :	Rat IgG2a, kappa

Description

Ly-6A/E, also known as Sca-1, is a member of the Ly-6 multigene family of type V glycophosphatidylinositol-anchored cell surface proteins. It is expressed on multipotent hematopoietic stem cells in bone marrow of mice with both the Ly-6.1 and Ly-6.2 allotypes. In the periphery, Ly-6A/E exhibits a pattern of expression which is based on differences between the two allotypes. Ly-6.1 strains (e.g., A, BALB/c, CBA, C3H/He, DBA/1, NZB) have few Ly-6A/E+ resting peripheral lymphocytes whereas Ly-6.2 strains (e.g., AKR, C57BL, C57BR, C57L, DBA/2, PL, SJL, SWR, 129) have relatively high numbers of Ly-6A/E+ lymphocytes. The expression of Ly-6A/E is dramatically upregulated in all strains upon cellular activation. Studies with the monoclonal antibody D7 suggest that Ly-6A/E may be involved in B and T lymphocyte responses and it appears that the antigen may be required for T-cell receptor-mediated T-cell activation.

Product Info

Amount :	0.5 mg
Content :	0.5 mg/ml, 1.0 ml, Supplied in PBS
Storage condition :	Store at -20°C

For Research Use Only. Not for use in diagnostic/therapeutics procedures.