

Purified anti-mouse Ly-6D

Catalog # / Size: 138602 / 500 µg

Clone: 49-H4

Isotype: Rat IgG2c, κ

Immunogen: BALB/c mouse plasmacytoma MOPC-104E

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

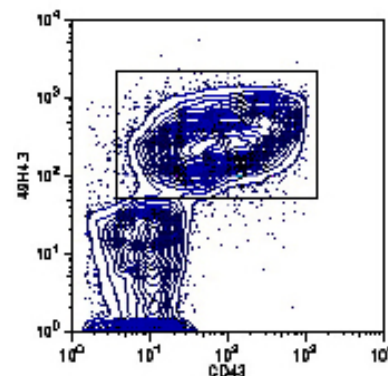
Application References: 1. Eckhardt LA and Herzenberg LA. 1980. *Immunogenetics* 11:275. (FC)

Description: Lymphocyte antigen 6D (Ly-6D), also known as thymocyte B-cell antigen (ThB), is a 16 kD GPI-linked cell surface glycoprotein. It belongs to the Ly6 gene family and contains one urokinase receptor (uPAR) /Ly6 domain. Ly-6D is involved in cell-cell adhesion and signal transduction. Ly-6D marks the earliest stage of B cell lineage commitment from the common lymphoid progenitors (CLP). It is expressed on B cells, immature thymocytes, and plasmacytoid dendritic cells.

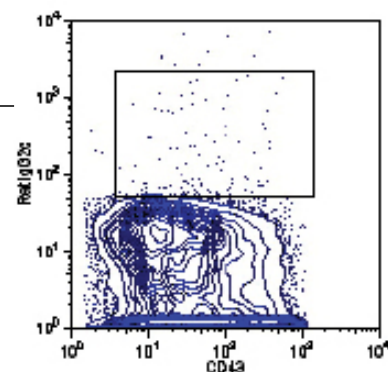
Antigen References: 1. Inlay MA, *et al.* 2009. *Genes Dev.* 23:2376.
2. Gumley TP, *et al.* 1995. *Immunol. Cell Biol.* 73:277.
3. Mansson R, *et al.* 2010. *Blood* 115:2601.
4. Reese JT, *et al.* 2001. *Dev. Immunol.* 8:107.

Related Products:

Product	Clone	Application
Purified Rat IgG2c, κ Isotype Ctrl	RTK4174	FC, ICC, ICFC, IF, IHC, IP, WB
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC



IgM- splenocytes from C57BL/6 mouse stained with purified 49H4.3 conjugated with PE and CD43 FITC



IgM- splenocytes from C57BL/6 mouse stained with isotype control PE and CD43 FITC



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