mouse Ly9.1 (allotype 1 specific)

CONTACT INFORMATION: Immunology Unit. Faculty of Medicine and Medical Sciences, University of Barcelona

STATUS: Validated

TYPE: Mouse anti-mouse

CLONE NAME: mLy9.10.33

PROTEIN: mouse Ly9 (CD229)
ANTIGEN USED: 300.19 pre-B cell line

FUSION PARTNER: NS1 cells

ISOTYPE: IgG1 (kappa)

SPECIES REACTIVITY: Mouse

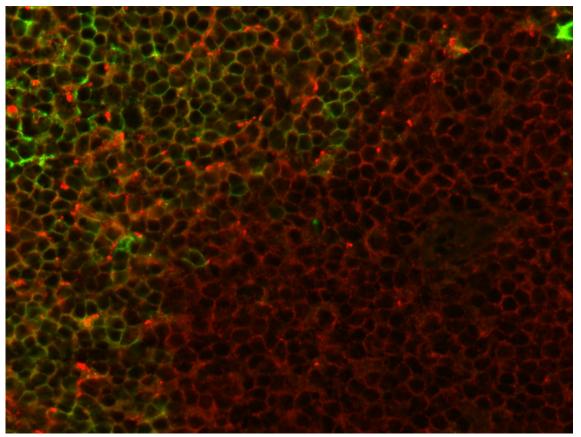
PREPARATION AND STORAGE: Aliquot and store at 4°C. Do not freeze

APP RECOMMENDED: Flow cytometry, ELISA, IP, IF

APP NO RECOMMENDED: IHQ-paraffin, WB

APPLICATIONS

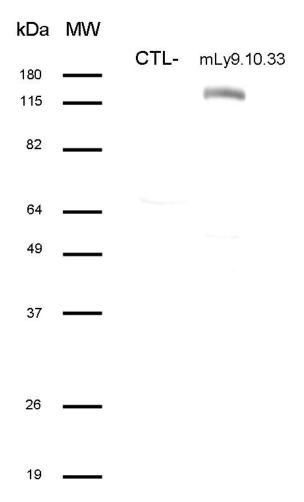
IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytospins									
Paraffin tissue									
Immunofluorescence									
	mLy9.	1/50	0.34 mg/ml	No				Membrane	Not done
	10.33								



Immunofluorescence staining

Double staining in frozen mouse spleen. In red, Biotin mLy9.10.33 (with Streptavidin A555); in greeen, mlgM FITC conjugated

WB Techniques	Clone	Dilution	Antibody concentration	Positive control	Negative control	Expected MW	Observed Mw	Positivity in other species	
Western Blotting									
Immunoprecipitation									
Recommended	mLy9.10.		2 ug/ml		Unrelated mAb	110-120	120	Not done	
	33								

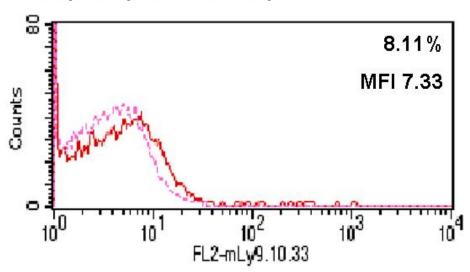


IP of mLy9.10.33

Immunoprecipitation with 1 ml Supernetant, using Sepharose beads with protein G and biotin labeled 300.19 cells

FLOW CYTOMETRY	Clone	Dilution	Positive control	Negative control	Type of fluorocrom
Recommended	10.33 clA	1/2	Thymus Ly9 WT mice	Thymus Ly9 KO mice	Phycoerythrin

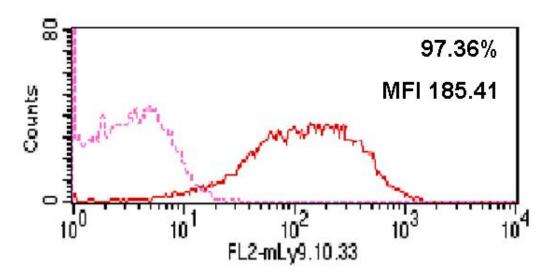
Thymocytes Balb/c Ly9-/-



Thymus Ly9 KO Balb/c mouse

Flow cytometry with thymocytes of a Balb/c Ly9 KO mouse using anti-Mouse PE conjugated as secondary antibody.

Thymocytes Balb/c WT



Thymus Ly9 WT Balb/c mouse

Flow cytometry with thymocytes of a Balb/c Ly9 WT mouse using anti-Mouse PE conjugated as secondary antibody.