

ARG65367 anti-PLSCR1 antibody [13A6 (TEC-23)]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [13A6 (TEC-23)] recognizes PLSCR1
Tested Reactivity	Rat
Tested Application	FACS, ICC/IF, IP, WB
Specificity	The clone 13A6 [TEC-23] binds to rat Phospholipid Scramblase 1 (PLSCR1), an 37-49 kDa membrane-associated protein accelerating bidirectional movement of plasma membrane phospholipids during conditions of elevated calcium.
Host	Mouse
Clonality	Monoclonal
Clone	13A6 (TEC-23)
Isotype	IgG2a
Target Name	PLSCR1
Species	Rat
Immunogen	BALB/c mice were immunized with pooled lipid rafts isolated from RBL-2H3 cells. Hybridoma cells were obtained after fusion of SP02 mouse myeloma cells with spleen cells of immunized mice using standard procedures.
Conjugation	Un-conjugated
Alternate Names	Phospholipid scramblase 1; Erythrocyte phospholipid scramblase; PL scramblase 1; Ca; MmTRA1b; MMTRA1B; 2+

Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	IP	Assay-dependent
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Buffer	Undiluted ascitic fluid and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

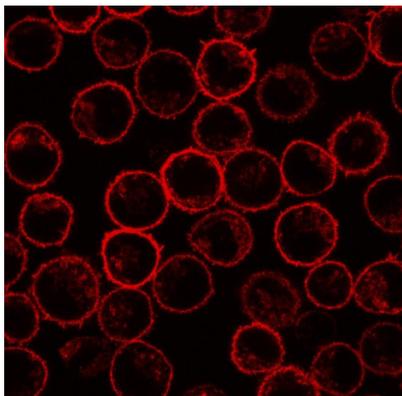
and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

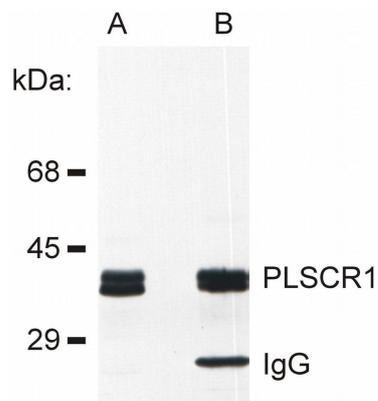
Database links	GeneID: 117540 Rat Swiss-port # P58195 Rat
Gene Symbol	Plscr1
Gene Full Name	phospholipid scramblase 1
Background	PLSCR1 (Phospholipid Scramblase 1) is a multiply palmitoylated endofacial plasma membrane protein containing several SH3 and WW domain binding motives. In the plasma membrane, PLSCR1 plays a role in transbilayer lipid redistributions and signal transduction. Nonpalmitoylated PLSCR1, however, is able to be transported into the nucleus and bind DNA. PLSCR1 potentiates the antiviral activity of interferon and its expression is highly induced by interferons and growth factors. _x000D_
Function	May mediate accelerated ATP-independent bidirectional transbilayer migration of phospholipids upon binding calcium ions that results in a loss of phospholipid asymmetry in the plasma membrane. May play a central role in the initiation of fibrin clot formation, in the activation of mast cells and in the recognition of apoptotic and injured cells by the reticuloendothelial system. May play a role in the antiviral response of interferon (IFN) by amplifying and enhancing the IFN response through increased expression of select subset of potent antiviral genes. May contribute to cytokine-regulated cell proliferation and differentiation (By similarity). [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Microbiology and Infectious Disease antibody; Signaling Transduction antibody
Calculated Mw	35 kDa

Images



ARG65367 anti-PLSCR1 antibody [13A6 (TEC-23)] ICC/IF image

Immunofluorescence: Rat basophilic leukemia (RBL) cells stained with ARG65367 anti-PLSCR1 antibody [13A6 (TEC-23)].



ARG65367 anti-PLSCR1 antibody [13A6 (TEC-23)] IP image

Immunoprecipitation: Rat basophilic leukemia (RBL) cell lysate (A) and PLSCR1 immunoprecipitated from RBL lysate (B). ARG65367 anti-PLSCR1 antibody [13A6 (TEC-23)] was used both for immunoprecipitation and immunodetection.