RD SYSTEMS a biotechne brand

Human/Mouse Layilin Antibody

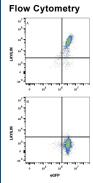
Monoclonal Mouse IgG₁ Clone # 328024 Catalog Number: MAB2637

DESCRIPTION	
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Layilin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 328024
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Layilin Ala22-Glu220 Accession # NP_849156
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human Layilin (Catalog # 2536-LA) Recombinant Mouse Layilin (Catalog # 2646-LA)
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
Immunoprecipitation	25 μg/mL	Conditioned cell culture medium spiked with Recombinant Human Layilin (Catalog # 2536-LA), see our available Western blot detection antibodies
CyTOF-ready	Ready to be labeled using established c conjugation.	see our available Western blot detection antib onjugation methods. No BSA or other carrier proteins that could interfe

DATA



with Human Layilin and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with (A) Layilin or (B) irrelevant protein, and eGFP were stained with Mouse Anti-Human/Mouse Layilin Monoclonal Antibody (Catalog # MAB2637) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # Catalog # F0101B). Quadrant markers were set based Mouse IgG1 lsotype Control Antibody staining (Catalog # Catalog # MAB002, data not shown). View our protocol for Staining Membraneassociated Proteins.

Detection of Layilin in HEK293 Human Cell Line Transfected

PREPARATION AND S		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	
	 12 months from date of receipt, -20 to -70 °C as supplied. 	
	 1 month, 2 to 8 °C under sterile conditions after reconstitution. 	
	 6 months, -20 to -70 °C under sterile conditions after reconstitution. 	

BACKGROUND

Layilin is a type I transmembrane protein that acts as a receptor for hyaluronan. It has an extracellular C-type lectin domain and a 123 aa cytoplasmic domain that interacts with the cytoskeleton. The amino acid sequence of recombinant human Layilin is 85%, 82%, 80%, 79% and 76% identical to that of hamster, canine, bovine, mouse and rat.

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Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956 USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373 Europe | Middle East | Africa TEL +44 (0)1235 529449