## RD SYSTEMS a biotechne brand

# Human/Mouse Layilin Antibody

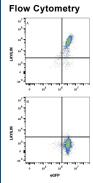
Monoclonal Mouse IgG<sub>1</sub> Clone # 328024 Catalog Number: MAB2637

DESCRIPTION	
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Layilin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG <sub>1</sub> 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 <sup>6</sup> 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.	
	<ul> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> </ul>	
	<ul> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> </ul>	
	<ul> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>	

#### 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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