Cell Membrane Resources

Kits & Assays

Membrane Lipid Strips	P-6002
Shuttle PIP Kit, PtdIns(4,5)P2	P-9045
Class III PI3K ELISA	K-3000
PIP3 Mass ELISA	K-2500s
ExoClean – Exosome Purification Kit	K-4300a

Ionizable/Cationic Lipids

ALC-0159	N-2010
ALC-0315	N-1020
cKK-E12	N-1012
SM-102	N-1102
DLin-MC3-DMA	N-1282

Phospholipids

PI(4,5)P2	P-4516
PI(3,4,5)P3	P-3916
Phosphatidylethanolamine (PE)	L-2182
Phosphatidylcholine (PC)	L-1618
Phosphatidylserine (PS)	L-3116

Antibodies & Nanobodies

PI(4,5)P2	Z-P045
PI(3,4,5)P3	Z-P345
PI(3)P	Z-P003
PI(4)P	Z-P004
Annexin V	Z-N002

Biochemical Reagents

PI(3)P Beads	P-B003a
PI(4)P Beads	P-B004a
PI(4,5)P2 Beads	P-B045a
PI(3,4,5)P3 Beads	P-B345a
PI(3)P PolyPIPosomes	Y-P003
PI(4)P PolyPIPosomes	Y-P004
PI(4,5)P2 PolyPIPosomes	Y-P045
PI(3,4,5)P3 PolyPIPosomes	Y-P039
PS Microparticles	P-B1PS
PC Microparticles	P-B1PC

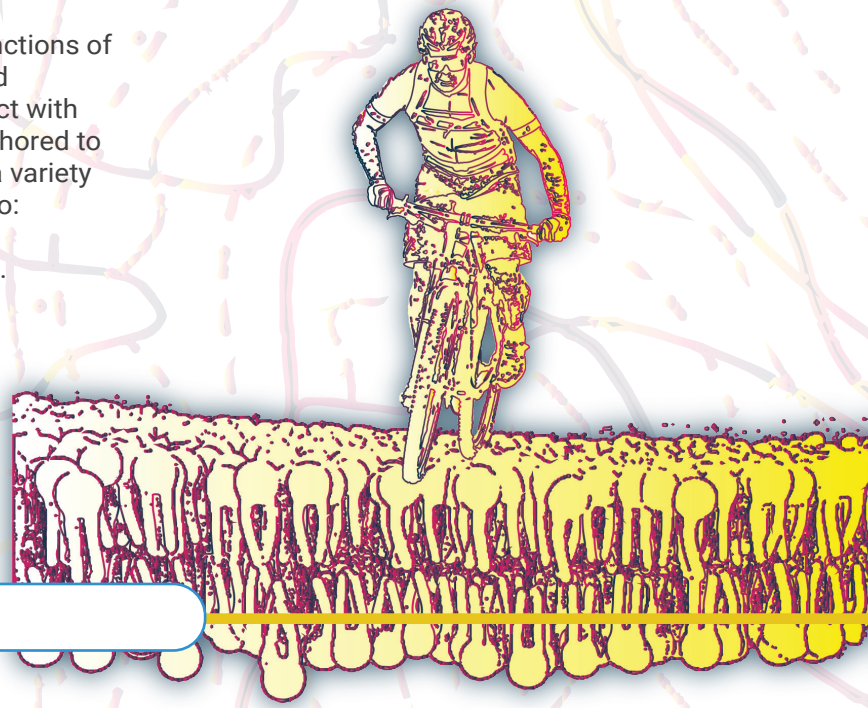
The cell membrane, also known as the plasma membrane, is a semipermable lipid bilayer found in all cells. It separates the cytosolic interior from the extracellular space and functions to regulate the transport and uptake of materials to the cell. Subcellular organelles also have their own membranes with specific compositions that regulate select cellular functions.

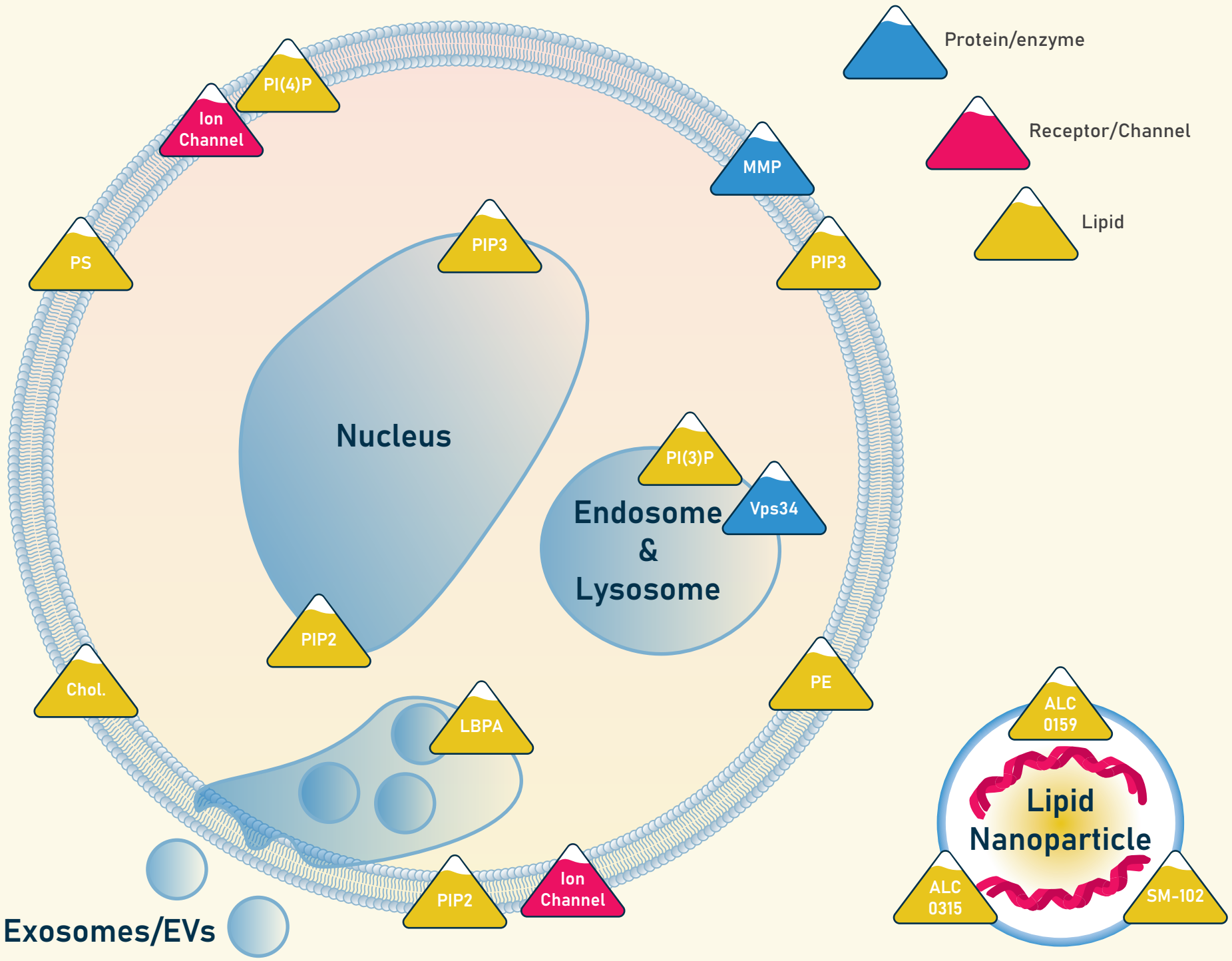
One of the keys to understanding the functions of the cell membrane is the study of its lipid composition and how those lipids interact with proteins that are either integrated or anchored to the membrane. This can be done using a variety of techniques including, but not limited to: lipidomics, immunostaining, lipid-protein pulldowns, and intracellular lipid delivery.

Echelon carries a comprehensive selection of products to study cellular membranes and lipids from the level of biochemistry to molecular biology to cell biology and beyond.

Peptides

TACE Substrate (TNFα Convertase)	860-78
Furin Inhibitor II	855-10
Gamma Secretase Inhibitor	649-27
Growth Hormone Releasing Factor	531-68
ADAM substrate	825-15




Protein/enzyme
Receptor/Channel
Lipid
PI(4)P
Ion Channel
MMP
PS
PIP3
PIP3
Nucleus
PI(3)P
Vps34
Endosome & Lysosome
PIP2
Chol.
LBPA
PE
PIP2
Ion Channel
Exosomes/EVs
ALC 0159
Lipid Nanoparticle
ALC 0315
SM-102