

Immunology Resources

Phospholipids

PI(3)P	P-3016
PI(3,4,5)P3	P-3916
Phosphatidylethanolamine (PE)	L-2182
Phosphatidylcholine (PC)	L-1618
Phosphatidylserine (PS)	L-3116

Ionizable/Cationic Lipids

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

Kits & Assays

PTEN Activity ELISA	K-4700
Sphingosine 1-Phosphate ELISA	K-1900
PIP3 Mass ELISA	K-2500s
PI3-Kinase Activity ELISA	K-1000s
PI(3)P Mass ELISA	K-3300

Immunology is the study of the immune system, a complex system of processes that guards against and fights disease. The human immune system has two broad lines of defense, innate and adaptive immunity, which initiate first line counters and longer term antigen-specific responses, respectively.

Understanding the interplay between these two branches has enabled the development of advanced treatments against specific pathogens and is key to understanding autoimmune disorders wherein immune dysfunction leads to attacks on endogenous tissue.

Immunology is a complex area of cell biology as it involves a number of different cell types and signaling pathways across its two major branches, innate and adaptive. As such, multiple methods of analyzing biological processes are necessary including enzyme activity assays, immunofluorescent staining, and live cell assays using antibody and peptide agonists.

Our evolving understanding of immunology has led to remarkable advances in therapies for cancer, development of novel vaccines, and treatments for immunodeficiency disorders. Continuing research in this area is critical in order to further advance human health.

Antibodies & Nanobodies

PI(4,5)P2	Z-P045
PI(4)P	Z-P004
PI(3,4)P2	Z-P034
LBPA	Z-PLBPA
Sphingosine 1-Phosphate	Z-P300

Peptides

fMLP Chemotactic Peptide	850-15
Granuliberin R	880-87
Innate Defense Regulator	745-20
SARS-CoV-2 N4P5	732-21
Spike Binding Peptide-1	732-20

Biochemical Reagents

3AC, SHIP1 Inhibitor	B-0341
FYT720	B-0721
PI(3)P Beads	P-B003a
PI(3)P PolyPIPosomes	Y-P003
PI(4)P Beads	P-B004a
PI(4)P PolyPIPosomes	Y-P004
Isopentenyl Diphosphate (IPP)	I-0050
HDMAPP	I-M055
PS Microparticles	P-B1PS
PC Microparticles	P-B1PC

