

Product Name	Size	Cat. No.
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## Antibodies & Secondary Detection Reagents

### Antibody-Binding Proteins & Conjugates

Pierce™ Protein A, Biotinylated	1 mg	29989
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### Avidin, Streptavidin & Biotin

Streptavidin Protein	1 mg	21122
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### Isotype Control Antibodies

Mouse IgG1 kappa Functional Grade Isotype Control, eBioscience™	100 µg	16-4714-82
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### Primary Antibodies

Transferrin Receptor Monoclonal Antibody (H68.4)	100 µg	136800
IFNAR2 Monoclonal Antibody (MMHAR-2)	50 µg	213851
P-cadherin Monoclonal Antibody (12H6)	100 µg	324000
Occludin Monoclonal Antibody (OC-3F10), Alexa Fluor 488	100 µg	331588
ZO-1 Monoclonal Antibody (ZO1-1A12), FITC	100 µg	339111
VEGFC Polyclonal Antibody	100 µg	345500
ZO-1 Polyclonal Antibody	100 µg	402200
Phospho-p53 (Ser15) Antibody (14H61L24), ABfinity™ Rabbit Monoclonal	100 µg	700439
RAB11 Polyclonal Antibody	100 µg	715300
mtHSP70 Monoclonal Antibody (JG1)	100 µL	MA3028
RAC1 Polyclonal Antibody	100 µg	PA1091
Phospho-Histone H2A.X (Ser140) Monoclonal Antibody (3F2)	100 µg	MA12022
OSMR Monoclonal Antibody (AN-V2), PE, eBioscience™	100 tests	12-1303-42
Phospho-IkB alpha (Ser32, Ser36) Monoclonal Antibody (RILYB3R), PE, eBioscience™	100 tests	12-9035-42
CD8a Monoclonal Antibody (AMC908), eBioscience™	25 µg	14-0008-80
FOXP3 Monoclonal Antibody (150D/E4), eBioscience™	100 µg	14-4774-82
Ki-67 Monoclonal Antibody (SolA15), eBioscience™	100 µg	14-5698-82
Fc Receptor Binding Inhibitor Monoclonal Antibody, eBioscience™	100 tests	14-9161-73
CD28 Functional Grade Monoclonal Antibody (37.51), eBioscience™	1 mg	16-0281-86
CD51/CD61 (Integrin alpha v beta 3) Functional Grade Monoclonal Antibody (23C6), eBioscience™	50 µg	16-0519-81
IFNAR1 Functional Grade Monoclonal Antibody (MAR1-5A3), eBioscience™	500 µg	16-5945-85
CD3 Monoclonal Antibody (SK7), APC, eBioscience™	100 tests	17-0036-42
CD8a Monoclonal Antibody (53-6.7), APC, eBioscience™	200 µg	17-0081-83
CD115 (c-fms) Monoclonal Antibody (AFS98), PE-Cyanine7, eBioscience™	100 µg	25-1152-82
TIGIT Monoclonal Antibody (MBSA43), PE-Cyanine7, eBioscience™	100 tests	25-9500-42
EOMES Monoclonal Antibody (WD1928), PE-eFluor 610, eBioscience™	100 tests	61-4877-42

### Secondary Antibodies

Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP	2 mL	31430
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## Beads & Microspheres

### Magnetic Beads for Cell Isolation & Expansion

Dynabeads™ Human T-Activator CD3/CD28 for T Cell Expansion and Activation	5 x 2 mL	11132D
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### Magnetic Beads Ligand-Coupled

Dynabeads™ Protein G for Immunoprecipitation	5 mL	10004D
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## Cell Culture & Transfection Reagents

### Antibiotics & Antimycotics

Geneticin™ Selective Antibiotic (G418 Sulfate) (50 mg/mL)	20 mL	10131035
Penicillin-Streptomycin (5,000 U/mL)	100 mL	15070063
Antibiotic-Antimycotic (100X)	100 mL	15240062
Gibco™ Amphotericin B	50 mL	15290026
Gentamicin (50 mg/mL)	10 mL	15750060

### Balanced Salt Solutions

PBS, pH 7.4	500 mL	10010023
DPBS, calcium, magnesium	100 mL	14040141
DPBS, no calcium, no magnesium	500 mL	14190144
DPBS, no calcium, no magnesium	10 x 500 mL	14190250
EBSS, calcium, magnesium, phenol red	500 mL	24010043
HBSS, calcium, magnesium	500 mL	24020117

### Basal Media

MEM, NEAA, no glutamine	10 x 500 mL	10370088
MCDB 131 Medium, no glutamine	500 mL	10372019
DMEM/F-12, GlutaMAX™ supplement	10 x 500 mL	10565042
DMEM/F-12, HEPES, no phenol red	10 x 500 mL	11039047
Opti-MEM™ I Reduced Serum Medium, no phenol red	500 mL	11058021
MEM	500 mL	11095080
DMEM/F-12	10 x 500 mL	11320082
Leibovitzs L-15 Medium	500 mL	11415064
Leibovitzs L-15 Medium	10 x 500 mL	11415114
Hams F-12 Nutrient Mix	1,000 mL	11765047
Hams F-12 Nutrient Mix	10 x 500 mL	11765062
RPMI 1640 Medium	500 mL	11875093
DMEM, high glucose	500 mL	11965092
DMEM, high glucose	10 x 500 mL	11965118
DMEM, no glucose	500 mL	11966025
DMEM, high glucose, pyruvate	500 mL	11995065
DMEM, high glucose, pyruvate	10 x 500 mL	11995073
DMEM, high glucose, HEPES	10 x 500 mL	12430062
MEM α, no nucleosides	500 mL	12561056
Advanced DMEM/F-12	500 mL	12634010
Advanced DMEM/F-12	10 x 500 mL	12634028
DMEM, powder, high glucose, pyruvate	10 x 1 L	12800017
DMEM, high glucose, HEPES, no phenol red	500 mL	21063029
Leibovitzs L-15 Medium, no phenol red	500 mL	21083027
DMEM/F-12, no glutamine	10 x 500 mL	21331046
RPMI 1640 Medium, no glutamine	500 mL	21870076
RPMI 1640 Medium, HEPES	500 mL	22400089
RPMI 1640 Medium, HEPES	10 x 500 mL	22400105
MEM, powder	10 x 1 L	61100061
Williams E Medium, no phenol red	500 mL	A1217601
RPMI, no methionine	500 mL	A1451701

Product Name	Size	Cat. No.
<b>Cell Culture Matrices</b>		
Geltrex™ LDEV-Free Reduced Growth Factor Basement Membrane Matrix	1 mL	A1413201
<b>Cell Culture Supplements</b>		
Primary Hepatocyte Thawing and Plating Supplements	1 kit	CM3000
Primary Hepatocyte Maintenance Supplements	1 kit	CM4000
KnockOut™ Serum Replacement	100 mL	10828010
Sodium Pyruvate (100 mM)	100 mL	11360070
Insulin, human recombinant, zinc solution	5 mL	12585014
Pluronic™ F-68 Non-ionic Surfactant (100X)	100 mL	24040032
GlutaMAX™ Supplement	100 mL	35050061
CTS™ Immune Cell SR	50 mL	A2596101
<b>Cell Dissociation Reagents</b>		
TrypLE™ Express Enzyme (1X), no phenol red	20 x 100 mL	12604039
TrypLE™ Express Enzyme (1X), phenol red	500 mL	12605028
Cell Dissociation Buffer, enzyme-free, PBS	100 mL	13151014
Trypsin-EDTA (0.5%), no phenol red	100 mL	15400054
Collagenase, Type I, powder	1 g	17100017
Collagenase, Type IV, powder	1 g	17104019
Dispase II, powder	5 g	17105041
<b>Cryopreservation Media</b>		
Recovery™ Cell Culture Freezing Medium	50 mL	12648010
<b>Serum</b>		
Horse Serum, New Zealand origin	500 mL	16050122
<b>Serum-Free &amp; Specialty Media</b>		
Hepatocyte Thaw Medium	45 mL	CM7500
Graces Insect Medium, unsupplemented	500 mL	11595030
Sf-900™ III SFM	500 mL	12658019
Sf-900™ III SFM	1,000 mL	12658027
HepatoZYME-SFM	500 mL	17705021
<b>Transfection Reagents</b>		
Cellfectin™ II Reagent	1 mL	10362100
Lipofectamine™ RNAiMAX Transfection Reagent	0.3 mL	13778030
Lipofectamine™ RNAiMAX Transfection Reagent	0.75 mL	13778075
Lipofectamine™ Stem Transfection Reagent	0.3 mL	STEM00003
<b>Chromatography Columns, Resins, &amp; Spin Filters</b>		
<b>Affinity Columns, Media, &amp; Standards</b>		
Pierce™ Streptavidin Agarose	10 mL	20353
Ni-NTA Agarose	25 mL	R90115

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## Competent Cells & Strains

### Cloning Competent Cells

One Shot™ TOP10 Chemically Competent <i>E. coli</i>	10 reactions	C404010
One Shot™ MAX Efficiency™ DH5α™-T1 <sup>R</sup> Competent Cells	20 x 50 μL	12297016
MAX Efficiency™ DH5α™ Competent Cells	10 reactions	18258012
MAX Efficiency™ DH10B™ Competent Cells	10 reactions	18297010

## Gels, Fractionation Strips, & Membranes

### Pre-Cast Protein Gels

NuPAGE™ 4-12% Bis-Tris Protein Gels, 1.0 mm, 12-well	10 gels (1 box)	NP0322BOX
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## Instruments and Equipment

### Dialysis Membranes, Tubing, Cassettes & Devices

SnakeSkin™ Dialysis Tubing, 10K MWCO, 22 mm	10.5 m	68100
SnakeSkin™ Dialysis Tubing, 10K MWCO, 35 mm	10.5 m	88245

### Electroporation Instruments & Accessories

Neon™ Transfection System 10 μL Kit	25 x 2 reactions	MPK1025
Neon™ Transfection System 10 μL Kit	96 x 2 reactions	MPK1096
Neon™ Transfection System 100 μL Kit	96 x 2 reactions	MPK10096

### Gel Boxes, Gel Imagers, Power Supplies & Accessories

CL-XPosure™ Film, 7 x 9.5 in. (18 x 24 cm)	100 sheets	34089
CL-XPosure™ Film, 5 x 7 in. (13 x 18 cm)	100 sheets	34090

### Magnetic Separators & Accessories

DynaMag™-2 Magnet	1 each	12321D
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### Spectroscopy & Elemental Analysis Instruments & Equipment

Qubit™ Assay Tubes	500 tubes	Q32856
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## Kits and Assays

### Cell Analysis Kits

LIVE/DEAD™ Viability/Cytotoxicity Kit, for mammalian cells	1 kit	L3224
PrestoBlue™ Cell Viability Reagent	100 mL	A13262
Click-iT™ EdU Alexa Fluor™ 488 Imaging Kit	1 kit	C10337
Click-iT™ EdU Alexa Fluor™ 647 Imaging Kit	1 kit	C10340
CellEvent™ Senescence Green Detection Kit	100 μL	C10851
LIVE/DEAD™ BacLight™ Bacterial Viability Kit	1 kit	L13152
Vybrant™ MTT Cell Viability Assay	1,000 assays	V13154
eBioscience™ Annexin V-FITC Apoptosis Detection Kit	300 tests	BMS500FI-300

### DNARNA Detection & Analysis Kits

MEGAscript™ T7 Transcription Kit	25 reactions	AM1333
mMESSAGE mMACHINE™ T7 ULTRA Transcription Kit	10 reactions	AM1345
Qubit™ RNA IQ Assay Kit	75 assays	Q33221

Product Name	Size	Cat. No.
<b>DNARNA Purification Kits &amp; Reagents</b>		
GeneJET Gel Extraction and DNA Cleanup Micro Kit	250 preps	K0832
MEGAclean™ Transcription Clean-Up Kit	20 preps	AM1908
PureLink™ PCR Purification Kit	50 preps	K310001
PureLink™ PCR Purification Kit	250 preps	K310002
<b>DNARNA Quantitation Assay Kits</b>		
Qubit™ RNA BR Assay Kit	100 assays	Q10210
Qubit™ dsDNA BR Assay Kit	100 assays	Q32850
Qubit™ 1X dsDNA HS Assay Kit	100 assays	Q33230
<b>Mass Spectrometry Sample Preparation Kits</b>		
In-Gel Tryptic Digestion Kit	150 reactions	89871
<b>Protein Analysis Kits</b>		
Pierce™ BCA Protein Assay Kit	1 L	23225
Pierce™ BCA Protein Assay Kit	500 mL	23227
Pierce™ Crosslink IP Kit	50 reactions	26147
PIP Strips™ Membranes	10 strips	P23751
<b>Lab Reagents and Chemicals</b>		
<b>Cell Lysis &amp; Organelle Isolation Reagents</b>		
B-PER™ II Bacterial Protein Extraction Reagent (2X)	250 mL	78260
Halt™ Phosphatase Inhibitor Cocktail	1 mL	78420
Halt™ Protease and Phosphatase Inhibitor Single-Use Cocktail (100X)	24 x 100 µL	78442
Halt™ Protease and Phosphatase Inhibitor Single-Use Cocktail, EDTA-Free (100X)	24 x 100 µL	78443
Halt™ Protease and Phosphatase Inhibitor Cocktail (100X)	5 x 1 mL	78444
M-PER™ Mammalian Protein Extraction Reagent	250 mL	78501
Halt™ Protease Inhibitor Cocktail, EDTA-Free (100X)	1 mL	87785
Micrococcal Nuclease Solution (≥100 U/µL)	150 µL	88216
RIPA Lysis and Extraction Buffer	100 mL	89900
Lysozyme Solution (50 mg/mL)	0.5 mL	90082
<b>Cell Treatment Reagents</b>		
Accutase - Enzyme Cell Detachment Medium	100 mL	00-4555-56
<b>Electrophoresis Reagents &amp; Buffers</b>		
NuPAGE™ LDS Sample Buffer (4X)	10 mL	NP0007
<b>Fixation &amp; Permeabilization Reagents</b>		
eBioscience™ IC Fixation Buffer	125 mL	00-8222-49
<b>General Buffers for Life Science</b>		
HEPES (1 M)	100 mL	15630080
<b>General Chemicals for Life Science</b>		
Sodium Bicarbonate 7.5% solution	100 mL	25080094
<b>Immunoassay Buffers &amp; Reagents</b>		
Blocker™ BSA (10X) in PBS	200 mL	37525

Product Name	Size	Cat. No.
<b>Microscopy Reagents</b>		
ProLong™ Gold Antifade Mountant	2 mL	P10144
ProLong™ Gold Antifade Mountant	10 mL	P36930
ProLong™ Gold Antifade Mountant with DAPI	2 mL	P36941
ProLong™ Diamond Antifade Mountant	10 mL	P36970
ProLong™ Diamond Antifade Mountant with DAPI	10 mL	P36971
CytoVista™ 3D Cell Culture Clearing Reagent	30 mL	V11315
CytoVista™ Tissue Imaging Chamber, 1.75 mm deep	6 chambers	V11317
CytoVista™ Tissue Imaging Chamber, 3.5 mm deep	6 chambers	V11318
CytoVista™ 2-mm Coronal Mouse Brain Slicer	1 slicer	V11320
<b>Molecular Biology Enzyme Buffers</b>		
FastDigest Buffer (10X)	5 x 1 mL	B64
<b>Reducing Agents</b>		
NuPAGE™ Sample Reducing Agent (10X)	10 mL	NP0009
<b>Water</b>		
Distilled Water	500 mL	15230162

## Lab Supplies, Plastics, & Glassware

### Plates & Accessories

MicroAmp™ Optical Adhesive Film	100 covers	4311971
MicroAmp™ Fast Optical 96-Well Reaction Plate with Barcode, 0.1 mL	20 plates	4346906

## Labeling & Detection Products

### Cell Stains

Hoechst 33342 Solution (20 mM)	5 mL	62249
DRAQ5™ Fluorescent Probe Solution (5 mM)	50 µL	62254
Hoechst 33342, Trihydrochloride, Trihydrate, 100 mg	100 mg	H1399
MitoTracker™ Red CM-H <sub>2</sub> Xros - Special Packaging	20 x 50 µg	M7513
TO-PRO™ -3 Iodide (642/661) - 1 mM Solution in DMSO	1 mL	T3605
CellMask™ Green Plasma Membrane Stain	100 µL	C37608
ER-Tracker™ Red (BODIPY™ TR Glibenclamide), for live-cell imaging	100 µg	E34250
MitoTracker™ Red FM - Special Packaging	20 x 50 µg	M22425
Propidium Iodide - FluoroPure™ Grade	100 mg	P21493
SYTO™ 62 Red Fluorescent Nucleic Acid Stain - 5 mM Solution in DMSO	250 µL	S11344
alamarBlue™ Cell Viability Reagent	25 mL	DAL1025
alamarBlue™ Cell Viability Reagent	100 mL	DAL1100
Trypan Blue Solution, 0.4%	100 mL	15250061
eBioscience™ 7-AAD Viability Staining Solution	2 mL	00-6993-50
eBioscience™ Fixable Viability Dye eFluor™ 450	100 tests	65-0863-14
eBioscience™ Fixable Viability Dye eFluor™ 780	100 tests	65-0865-14

### Cellular Sensors & Indicators

CellROX™ Orange Reagent, for oxidative stress detection	5 x 50 µL	C10443
CellROX™ Green Reagent, for oxidative stress detection	5 x 50 µL	C10444

Product Name	Size	Cat. No.
<b>Cellular Structure Probes</b>		
Phalloidin	1 mg	P3457
Alexa Fluor™ 568 Phalloidin	300 units	A12380
Alexa Fluor™ 647 Phalloidin	300 units	A22287
Alexa Fluor™ Plus 405 Phalloidin	1 vial	A30104
<b>Conjugated Biomolecules</b>		
BODIPY™ 505/515 (4,4-Difluoro-1,3,5,7-Tetramethyl-4-Bora-3a,4a-Diaza-s-Indacene)	10 mg	D3921
α-Bungarotoxin, Alexa Fluor™ 594 conjugate	500 µg	B13423
Wheat Germ Agglutinin, Alexa Fluor™ 647 Conjugate	5 mg	W32466
<b>Crosslinkers</b>		
BS(PEG)9 (PEGylated bis(sulfosuccinimidyl)suberate)	100 mg	21582
<b>Enzyme Substrates</b>		
SuperSignal™ West Dura Extended Duration Substrate	200 mL	34076
SuperSignal™ West Femto Maximum Sensitivity Substrate	20 mL	34094
C <sub>12</sub> FDG (5-Dodecanoylamino fluorescein Di-β-D-Galactopyranoside)	5 mg	D2893
<b>Fluorescent Dyes</b>		
Click-iT™ Plus Alexa Fluor™ 488 Picoyl Azide Toolkit	1 kit	C10641
<b>Labels &amp; Labeling Kits</b>		
EZ-Link™ Sulfo-NHS-LC-Biotinylation Kit	10 reactions	21435
Alexa Fluor™ 488 Azide (Alexa Fluor™ 488 5-Carboxamido-(6-Azido-hexanyl), Bis(Triethylammonium Salt)), 5-isomer	0.5 mg	A10266
Alexa Fluor™ 488 NHS Ester (Succinimidyl Ester)	1 mg	A20000
Alexa Fluor™ 647 Hydrazide	1 mg	A20502
SAIVI™ Rapid Antibody Labeling Kit, Alexa Fluor™ 680	1 kit	S30045
Zenon™ pHrodo™ iFL Red Human IgG Labeling Reagent	240 µL	Z25612
<b>Oligos, Primers, Probes &amp; Nucleotides</b>		
Silencer™ Custom Designed siRNA	5 nmol	4399665
<b>Proteins, Enzymes, &amp; Peptides</b>		
<b>Enzyme Inhibitors</b>		
SUPERase• In™ RNase Inhibitor (20 U/µL)	2,500 units	AM2694
SUPERase• In™ RNase Inhibitor (20 U/µL)	10,000 units	AM2696
RNaseOUT™ Recombinant Ribonuclease Inhibitor	5,000 units	10777019
<b>Enzymes</b>		
Trypsin, TPCK Treated	50 mg	20233
<b>Extracellular Matrix Proteins</b>		
Laminin Mouse Protein, Natural	1 mg	23017015
<b>Growth Factors, Chemokines &amp; Cytokines</b>		
EGF Recombinant Human Protein	100 µg	PHG0311
<b>PCR &amp; Cloning Enzymes</b>		
RNase Cocktail™ Enzyme Mix	1 mL	AM2286

\* Prices subject to change

Product Name	Size	Cat. No.
BamHI (10 U/ $\mu$ L)	4,000 units	ER0051
NotI (10 U/ $\mu$ L)	500 units	ER0595
FastDigest BamHI	800 reactions	FD0054
FastDigest EcoRI	800 reactions	FD0274
FastDigest Eco31I	100 reactions	FD0294
FastDigest MluI	100 reactions	FD0564
FastDigest NotI	20 reactions	FD0593
FastDigest XbaI	750 reactions	FD0685
FastDigest CpoI	20 reactions	FD0744
FastDigest BpiI	20 reactions	FD1014
FastDigest BstXI	100 reactions	FD1024
FastDigest BcuI	50 reactions	FD1254
FastDigest MauBI	20 reactions	FD2084
Ribonuclease H	120 units	18021071
SuperScript™ II Reverse Transcriptase	10,000 units	18064014

## Standards, Ladders & Controls

### Protein Standards & Ladders

PageRuler™ Plus Prestained Protein Ladder, 10 to 250 kDa	2 x 250 $\mu$ L	26619
Spectra™ Multicolor Broad Range Protein Ladder	2 x 250 $\mu$ L	26634
NativeMark™ Unstained Protein Standard	5 x 50 $\mu$ L	LC0725
HiMark™ Pre-stained Protein Standard	250 $\mu$ L	LC5699