Lot 4

I. **Bcl-2 Antibody**
II. **Bax Antibody**
III. **Caspase 9 Antibody**
IV. **p53 Antibody**
V. **C-MYC Antibody**
VI. **NF-κB p65 Antibody**
VII. **TNF alpha Antibody**
VIII. **COX2 Antibody**
IX. **iNOS Antibody**
X. **TAGLN Antibody**
XI. **RUNX2 Antibody**
XII. **SOD1 Antibody**
XIII. **SOD2 Antibody**
XIV. **E-cadherin Antibody**
XV. **ICAM-1 Antibody**
XVI. **VCAM-1 Antibody**
XVII. **Claudin 1 Antibody**
XVIII. **Snail1 Antibody**
XIX. **SLUG Antibody**
XX. **TWIST1 Antibody**
XXI. **BRCA1 Antibody**
XXII. **BRCA2 Antibody**
XXIII. **HIF1A Antibody**
XXIV. **VEGF Antibody**
XXV. **VEGF Receptor 2 Antibody**
XXVI. **MMP2 Antibody**
XXVII. **TGFβ-1 Antibody**
XXVIII. **Phospho-SMAD2/SMAD3 Antibody**
XXIX. **AKT PAN Antibody**
XXX. **PI3K p85 alpha Antibody**
XXXI. **mTOR Antibody**
XXXII. **GSK3β Antibody**

XXXIII.	**FOXO1 Antibody**
XXXIV.	**PKA alpha Antibody**
XXXV.	**Phospho-CREB Antibody**
XXXVI.	**GAPDH Antibody**
XXXVII.	**β actin Antibody**
XXXVIII.	**ANTI-MOUSE Secondary Antibody**
XXXIX.	**ANTI-RABBIT Secondary Antibody**

I.	**Bcl-2 Antibody**
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent.	
II.	**Bax Antibody**
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent	
III.	**Caspase 9 Antibody**
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent	
IV.	**p53 Antibody**
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent	
V.	**C-MYC Antibody**
mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent	
VI.	**NF-κB p65 Antibody**
Mouse or rabbit; polyclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent	
VII.	**TNF alpha Antibody**
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent	
VIII.	**COX2 Antibody**
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent	

IX. iNOS Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
X. TAGLN Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XI. RUNX2 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XII. SOD1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XIII. SOD2 Antibody
Mouse or rabbit; polyclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XIV. E-cadherin Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XV. ICAM-1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XVI. VCAM-1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XVII. Claudin 1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XVIII. Snail1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XIX. SLUG Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent

XX. TWIST1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXI. BRCA1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXII. BRCA2 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXIII. HIF1A Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXIV. VEGF Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXV. VEGF Receptor 2 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXVI. MMP2 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXVII. TGF β-1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXVIII. Phospho-SMAD2/SMAD3 Antibody
Anti-phospho SMAD2/SMAD3 (Ser465, Ser467, Ser423, Ser425), Mouse or rabbit polyclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXIX. AKT PAN Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent

XXX. PI3K p85 alpha Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXXI. mTOR Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXXII. GSK3β Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXXIII. FOXO1 Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXXIV. PKA alpha Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXXV. Phospho-CREB Antibody
Anti-phospho CREB (SER133) -Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXXVI. GAPDH Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXXVII. β actin Antibody
Mouse or rabbit; monoclonal antibody; reactive with human samples; validated for Western blot applications, supplied in maximum available pack size or equivalent
XXXVIII. ANTI-MOUSE Secondary Antibody
Goat ANTI Mouse IgG (H+L) Secondary Antibody, HRP, supplied in maximum available pack size or equivalent
XXXIX. ANTI-RABBIT Secondary Antibody
Goat ANTI Rabbit IgG (H+L) Secondary Antibody, HRP, supplied in maximum available pack size or equivalent

Lot 5

I. ONCOMINE FOCUS, CHEF-READY
II. MICROAMP 96-WELL RXN PLATE EA NO BARCODE
III. ION LIBRARY TQMN QUANTITATION KIT
IV. MAGMAX FFPE RNA/DNA ULTRA KIT EACH
V. QUBIT DSDNA HS ASSAY KIT
VI. QUBIT RNA HS ASSAY KIT
VII. QUBIT ASSAY TUBES
VIII. SUPERSCRIPT VILO CDNA SYNTHESIS KIT
IX. ION 510 CHIP KIT
X. 510 & 520 & 530 KIT - CHEF 1 EA
XI. NGS Sequencing Run Consumables
XII. PM Kit for Applied Biosystems™ Ion Chef™ System
XIII. PM Kit for Applied Biosystems™ Ion S5 maintenance
XIV. TOTAL EXOSOME ISOLATION (FROM PLASMA)
XV. TOTAL EXOSOME ISOLATION REAGENT (FROM CELLS)
XVI. FG, TOTAL EXOSOME RNA/PROTEINS ISOLATION KIT

I. ONCOMINE FOCUS, CHEF-READY

It contains all the reagents needed to prepare libraries for 32 samples (32 reactions):
- Oncomine Focus Assay, DNA Chef-Ready panel—contains the DNA primer pool
- Oncomine Focus Assay, RNA Chef-Ready panel—contains the RNA primer pool
- Ion AmpliSeq Kit for Chef DL8 reagents—allows you to automate library prep on the Ion Chef System

II. MICROAMP 96-WELL RXN PLATE EA NO BARCODE

This plate, constructed from a single rigid piece of polypropylene in a 96-well format.
- Frosted to minimize interfering fluorescence from wells of cycling block
- Screened to eliminate auto-fluorescent plates
- Unique design provides a barrier to ambient air to help ensure well-to-well temperature uniformity
- Include 10 plates

III. ION LIBRARY TQMN QUANTITATION KIT

kit provides a TaqMan™ qPCR mix and library standard to detect and quantify femtomolar amounts of Ion Fragment Libraries

IV. MAGMAX FFPE RNA/DNA ULTRA KIT EACH
Kit is designed for sequential isolation of DNA and RNA from the same formaldehyde- or paraformaldehyde-fixed paraffin-embedded (FFPE) tissue sample. The kit includes the below items: (1) RT MAGMAX FFPE DNA/RNA U (1) 20MAGMAX FFPE DNA/RNA
V. QUBIT DSDNA HS ASSAY KIT
-500 ASSAYS -Provides an accurate and selective method for the quantitation of sensitive DNA samples. Depending on sample volume, the assay kit is designed to be accurate for initial DNA sample concentrations of 0.005 to 120 ng/µL, providing a detection range of 0.1-120 ng.
VI. QUBIT RNA HS ASSAY KIT
-500RXNS -provides an accurate and selective method for the quantitation of low-abundance RNA samples. Depending on sample volume, the assay kit is designed to be accurate for initial RNA sample concentrations of 0.2 to 200 ng/µL, providing a detection range of 4–200 ng
VII. QUBIT ASSAY TUBES
SET OF 500 Qubit assay tubes are 500 µL thin-walled polypropylene tubes for use with the Qubit Fluorometer. 500 tubes per package
VIII. SUPERSCRIPT VILO CDNA SYNTHESIS KIT
Kit (50 RXNS) is designed to generate first strand cDNA for two-step RT-qPCR applications. The kit is supplied in a two-tube format with the VILO reaction mix and an enzyme blend in separate tubes
IX. ION 510 CHIP KIT -
The Ion 510 Chip Kit (4 PACK) contains 8 barcoded chips for sample tracking and sequencing with the Ion S5 and Ion S5 XL sequencing systems.
X. 510 & 520 & 530 KIT - CHEF 1 EA
Automated template preparation and sequencing of up to 400 base-read libraries using the Ion Chef System and the Ion S5 or Ion S5 XL sequencing system. The Ion 510 & Ion 520 & Ion 530 Kit contains pre-packaged single-use template and sequencing reagent cartridges with integrated sample tracking, delivering an automated workflow for sequencing of 8 loaded chips with complete run traceability. This kit accommodates 1 sequencing run per initialization. The kit including the below items: 8 Ion S5 chef supplies kit 2 ION S5 TMPLT RGNTS 510/520/530 4 ION S5 SEQ RGNTS 4 ION S5 SEQ SOLNS 2 ION S5 CHEF SOLNS
XI. NGS Sequencing Run Consumables
• Sequencing consumables needed to run 64 samples:(2 OFA Kits including Ion Chef Solutions & Reagents plus Ion S5 Solutions & Reagents) • 8-10 Positive and Negative Controls

XII. PM Kit for Applied Biosystems™ Ion Chef™ System
PM kit for routine annual maintenance it includes (Replacement seals and rings, syringes, cleaning tools, calibration tools, etc..)
XIII. PM Kit for Applied Biosystems™ Ion S5 maintenance
PM kit for routine annual maintenance it includes (Replacement seals and rings, syringes, cleaning tools, calibration tools, etc..)
XIV. TOTAL EXOSOME ISOLATION (FROM PLASMA)
Total Exosome Isolation Kit (6ML) (from plasma) enables fast and efficient enrichment of intact exosomes from plasma samples. The kit consists of two parts: Total Exosome Isolation Reagent (from plasma) and Proteinase K (20 mg/mL) EXOSOME PRECIPITATION RGN (FORM PLASMA) PROTEINASE K 20 mg/mL
XV. TOTAL EXOSOME ISOLATION REAGENT (FROM CELLS),
Total Exosome Isolation Reagent (50 ML) (from cell culture media) enables fast and efficient enrichment of intact exosomes from cell culture media samples
XVI. FG, TOTAL EXOSOME RNA/PROTEINS ISOLATION KIT
The Total Exosome RNA and Protein Isolation Kit (40PREPS) enable isolation of total RNA and proteins from exosome samples extracted from biological fluids (e.g., by using Total Exosome Isolation (from cell culture media) or Total Exosome Isolation (from serum))