



### Genomic and Protein Purification Kit

The illustra triplePrep Kit is designed for rapid, simultaneous extraction and isolation of genomic DNA (gDNA), total RNA, and total denatured proteins from animal tissues and mammalian cells. High yields of high-quality DNA, RNA, and

proteins can be extracted in less than 1 hour. The kit uses a flexible, easy-to-follow workflow, allowing researchers to directly correlate data generated from the same sample. The isolated gDNA, total RNA, and total denatured proteins are suitable for genomic and proteomic applications such as PCR, restriction-enzyme digestion, sequencing, array CGH, reverse transcription PCR, gene expression microarray, SDS-PAGE, Western blotting, 2D DIGE, and LC/MS.

#### GE Healthcare Life Sciences

For info: 800-526-3593  
www.gelifesciences.com

### Immune Checkpoint Antibody Sets

ProSci has released Risk-Free Immune Checkpoint Antibody Sets (PD-1, PD-L1, PD-L2, CTLA-4, CD80, TIGIT) to assist with the problem caused by the fact that many antibodies work well in one application but not in others, despite detecting the same proteins. Because of this characteristic of antibodies, scientists must search for and test multiple antibodies for one application and find that they must repeat the process again for a different application. Each set consists of Risk-Free monoclonal antibodies developed with recombinant protein antigens expressed in mammalian cells, to best recognize immune checkpoint targets in their most native form. Because of this development process, Risk-Free monoclonal antibodies' epitopes have a broad range of binding features and work in multiple applications. Rigorously tested in a variety of applications, the best antibodies are carefully selected and paired together to provide the broadest selection of binding features.

#### ProSci

For info: 888-513-9525  
www.prosci-inc.com

### Cell Sorter

The BD FACSMelody cell sorter makes the complex world of flow cytometry and sorting surprisingly simple, saving you time and money by improving lab efficiency. It enables deep scientific insights, all while facilitating consistent results and high-purity sorting. With BD FACSMelody, sorting into plates is as easy as sorting into tubes and requires no extra setup steps. Select the collection format and desired number of cells, and the system automatically aligns the stream precisely to the center of the multiwell plate. Operators of all skill levels can quickly learn to use it.

#### BD Biosciences

For info: 877-232-8995  
www.bdbiosciences.com

### TIGIT Signaling Reagents

ACROBiosystems carries a large collection of recombinant proteins from the TIGIT signaling axis. In addition to the commonly used His- and Fc-tagged proteins, we also carry multiple prebiotinylated proteins such as Biotinylated Human TIGIT, Avi Tag (Avitag); Biotinylated Human CD155/PVR Protein, Fc Tag, Avi Tag (Avitag); and Biotinylated Human Nectin-2/CD112 Protein, Fc Tag, Avi Tag (Avitag). TIGIT [T-cell immunoreceptor with immunoglobulin and ITIM (immunoreceptor tyrosine-based inhibition motif) domains] is a newly discovered immune checkpoint expressed on T cells and natural killer cells. It is an inhibitory receptor that modulates immune activity by competing with activating receptor CD226 (also known as DNAM1) for ligand binding. This on-and-off switch of TIGIT and DNAM1 parallels that of CTLA4 and CD28, which makes it a promising target for antitumor therapy.

#### ACROBiosystems

For info: 800-810-0816  
www.acrobiosystems.com

### IVD Raw Materials and Customized Services

Cloud-Clone is a supplier of raw materials to the in vitro diagnostics (IVD) industry and to research laboratories globally, and furnishes various human proteins and antibodies covering a wide range of disease areas, including inflammation, hepatic fibrosis, brain injury, bone metabolism, reproductive endocrinology, infection, and cardiovascular diseases. We also offer customized services for polypeptide synthesis, small-molecule conjugation, proteins, antibodies, and assay kits. In addition, we provide test services for SDS-PAGE, IP, ICC, IHC, and WB, as well as ELISA/CLIA assays, among others. Cloud-Clone can deliver thousands of animal models—human disease animal models, knockout animal models, and transgenic animal models—and offers several animal experiment services, such as animal feeding, conservation of strains, animal ethology, and animal imaging. We also provide cell-based experiments including cell culture, transfection, proliferation, infection, and apoptosis. Furthermore, drug discovery services are available, including drug screening, pharmacokinetics, toxicology, and pharmacology.

#### Cloud-Clone

For info: 888-960-7402  
www.cloud-clone.com

### Skin Toxicology Assay

DermaChip is a high-throughput assay technology that allows scientists to reliably measure the genotoxic risk of a whole range of environmental agents (including cleaning agents, household products, industrial chemicals, and cosmetics) to our skin. The assay traps basal keratinocytes, which potentially harbor damaged DNA from the analysis and reduce the background for some 3D models, before they differentiate and migrate to the stratum corneum. DermaChip technology is based on the incorporation of collagen I into our CometChips, forming a disposable gel attached to the specially treated 96-well-format glass slides. Instead of being randomly dispersed in agarose on a glass slide as in the traditional Comet Assay, cells in the DermaChip are captured on an array of microwells (400 microwells of 30- $\mu$ m diameter). Leveraging this advance, a single 96-well DermaChip can produce 20,000 data points per chip, based on an average of 208 cells imaged per well.

#### AMS Biotechnology

For info: +44-(0)-1235-828200  
www.amsbio.com/dermachip.aspx

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