Triple A Polyclonal Antibodies

1,272 new Triple A Polyclonals are now available. All Triple A Polyclonals are recommended for immunohistochemistry, with over 700 images supplied for each antibody from a multitude of human tissues and cells, annotated by trained pathologists. A majority of them are also recommended for WB and/or ICC-IF, supported with confocal images with subcellular annotation into 19 different cellular compartments. For each Triple A Polyclonal the corresponding PreST Antibgen is also released and available as a product today. The Atlas Antibodies Advanced Polyclonal antibodies (Triple A Polyclonals) are designed using proprietary software to select the most suitable antigen for a given target protein. Combined with a unique antibody purification process, using the recombinant antigen as affinity ligand, the company achieves polyclonals with the very highest level of specificity, reproducibility, and versatility. PreST Antigen is the recombint protein fragments used as immunogens in the generation of Triple A Polyclonals.

Atlas Antibodies


Glycan Analysis Workflows

The new RapiFluor-MS Labeling Reagent and Sample Preparation Protocol greatly enhances speed, sensitivity, and simplicity of released N-Glycan profiling and characterization. The new set of technologies includes the new GlycoWorks RapiFluor-MS N-Glycan Kit, the Waters ACQUITY UPLC, the ACQUITY UPLC FLR Detector, and the ACQUITY QDa detector. These enable fast deglycosylation and labeling and a workflow that reduces sample preparation time from a day to less than one hour, allows mass detection for characterization and development with sensitivity that is 100- to 1,000-fold better than current approaches, and enables routine laboratory use supported by a simple robust protocol without involving MS experts. This approach to glycan analyses means scientists can monitor and characterize released N-glycans like never before. The new workflows take what had been a specialized and complicated activity and transform it into one that scientists and laboratories can be successful with.

Waters Corporation

For info: 800-252-4752 www.waters.com/glycans

Unified Chromatography System

The fully automated supercritical fluidic chromatography-based Nexera Unified Chromatography system (Nexera UC) can sequentially analyze up to 48 samples utilizing automatic extraction and chromatographic separation combined with high-sensitivity detection of targets by mass spectrometry. The Nexera UC system is designed to fulfill the measurement requirements of a wide range of applications including monitoring pesticides in food products, drug delivery and search for disease biomarkers, additives in forming polymers, and drug discovery research in pharmaceuticals and biopharmaceuticals along with cleaning validation. The Nexera UC system eliminates the need for complicated sample pretreatment and enables highly reliable and stable analysis of samples that are prone to oxidation or dissociation if exposed to air. The state-of-the-art Nexera UC system has a much higher target analyte recovery rate and reduces the possibility of human error during analysis when compared with conventional manual systems.

Shimadzu Scientific Instruments

For info: 800-477-1227 www.ssi.shimadzu.com

Glycan Array

The largest commercially available glycan microarray is now available for profiling protein-carbohydrate interactions. This array, known as the RayBio Glycan Array 100, features 100 synthetic glycans discretely spotted onto a glass slide support. The highly diverse panel of polysaccharides was selected based on a comprehensive literature search that identified the glycan structures most frequently associated with critical cellular functions, including T cell activation, bacterial and viral binding, innate immunity, and apoptosis. Glycans are a diverse and complex family of sugar molecules that decorate the surfaces of virtually all eukaryotic cells, bacteria, and viruses. Emerging literature indicates that glycosylation of proteins is a highly complex and abundant posttranslational modification whose biological significance is only beginning to be understood. Glycan arrays permit researchers to not only profile the specificities of glycan-binding proteins, but also uncover disease-associated biomarkers and putative drug target moieties.

RayBiotech

For info: 888-494-8555 www.raybiotech.com

Bioconjugation Kits

New antibody and protein labeling kits within its Lightning-Link Rapid range enable researchers to label primary antibodies or other proteins in just 20 minutes. Dyes recently launched within this range include high sensitivity Atto dyes and Cy dyes. Innova has also released a rapid biotin conjugation kit which allows for extremely quick protein biotinylation. Despite the short incubation time, the conjugation reaction is sufficient to achieve conjugates with performance characteristics identical to, or better than, those prepared with laborious multistep conjugation procedures. Lightning-Link is an innovative technology that enables direct labeling of antibodies, proteins, peptides, or other biomolecules. The procedure is easy to use, involves only 30 seconds of hands-on time, and no spin or separation steps are required. In addition, by circumventing the desalting or dialysis steps that commonly interrupt traditional protein labeling procedures, Lightning-Link Rapid technology can be used to label small quantities of antibody with 100% recovery.

Innova Biosciences

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