

Newsletter FEBRUARY 2017

BioScientific aims to keep our researchers and customers updated with news from our various suppliers with our Newsletter-

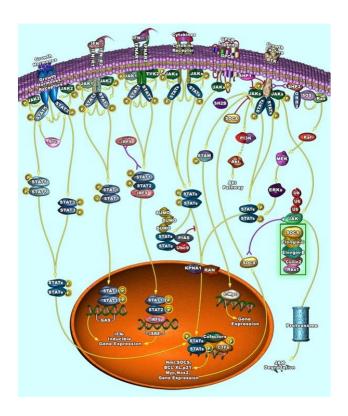
We are constantly sourcing top quality products for your research.

Contact our office for the "HARD TO FIND" product!



JAK-STAT Signaling Pathway

To click on the targets in the map below to find RayBiotech products related to the JAK/STAT Signaling Pathway http://www.raybiotech.com/jak-stat-signaling-pathway-en.html



The JAK/STAT pathway is a principal signaling mechanism for many cytokines and growth factors and provides a direct mechanism to translate extracellular signals into transcriptional responses. Activation of this pathway stimulates cell proliferation, differentiation, migration, growth, survival, apoptosis, and pathogen resistance. These cellular events are critical to hematopoiesis, immune development, growth, adipogenesis, mammary gland development and lactation, and other processes. Mutations that affect JAK/STAT pathway activity are important in inflammatory disease and hematological malignancies, including erythrocytosis and an array of leukemias. JAK inhibitors are also being tested for use in multiple myeloma. Additionally, the JAK/STAT pathway mediates the effects of drug treatments of anemia, thrombocytopenia, and neutropenia, as well as antiviral and antiproliferative agents. For quotations: info@biosci.com.au



Swiss Commitment for Bioassays

Excellence in quality and service for bioassays like the Ames test, the endocrine disruptor assays, reconstructed epidermal and epithelial tissues, ex vivo skin or cytotoxicity test systems. **Xenometrix** products are made for the use in molecular pharmacology, early stages of drug discovery, screening of chemical, cosmetic, alimentary or agrochemical compounds and for testing environmental water, soil, air or effluents. For more product information:

http://www.xenometrix.ch/en/products.html

For pricing please contact info@biosci.com.au



Empire Genomics' Fluorescence In Situ Hybridization (FISH)

FISH probes are commonly made from BAC clones. Empire Genomics provides access to over one million BAC clones from the Roswell Park Cancer Institute genomic libraries, which are available for purchase as custom-labeled FISH probes. Empire Genomics can provide custom designed FISH probes and also offers a number of premade gene specific probes. Control probes are available as well.

For more detailed information: - http://www.empiregenomics.com/store/fish-probes

Contact info@biosci.com.au for Australian pricing



Liraglutide Immunoassay Kit

S-1502 Liraglutide - EIA Kit, Host: Rabbit, High Sensitivity

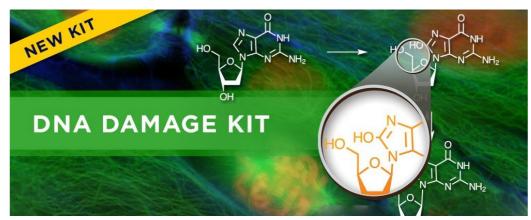
Immunoassay Accessory Products

S-5000 Extraction Kit - contains SEP-Columns (50), Buffer A (2) and Buffer B (1)

Y-1000 SEP-Column (50 columns/box)

Y-1040 Buffer A

Y-1045 Buffer B See additional products at www.penlabs.com - pricing info@biosci.com.au



Unique Kit for Detecting DNA Damage

Arbor Assays' EIA for the DNA and RNA markers of DNA Damage - detecting 8hydroxy-quanosine (8HOG), 8-hydroxy-2'deoxyguanosine and 8-hydroxyguanine. These molecules are produced from DNA by ionizing radiation, such as radioactive decay or UV light, or reactive oxygen species interactions with biological systems. In the traditional assay method for DNA Damage, 8HOG is oxidized and conjugated to a protein such as BSA and immobilized on a plate. To address the problems with reproducibility inherent in this method, Arbor Assays developed a unique new assay method that delivers exceptionally reproducible results.

1 and 5 plate kits

Cat # K059-H1 and K059-H5

The Arbor Assays DNA Damage EIA Kit features:

Highly reproducible results in 2.5 hours,

Compatibility with a wide variety of sample types including: serum, plasma, saliva, urine, fecal extracts and TCM

Liquid reagents stable at 4°C

Sensitivity to 51 pg/ml

For further reading on the article for this Kit:

http://www.arborassays.com/product/dna-damage-eia-kit/

For Australian pricing: info@biosci.com.au



FLAER (ALEXA 488 PROAEROLYSIN VARIANT) SOLID FORMAT-IVD

FLAER is an Alexa® 488 labeled variant of aerolysin, a unique protein that binds tightly and specifically to mammalian GPI anchors. FLAER will not bind to PNH cells because they do not produce the anchor. Before FLAER, detection of PNH clones by flow cytometry relied on fluorescently labeled antibodies to GPI-linked proteins such as CD59 and CD55. These antibodies do not bind with high affinity, so that small PNH clones are not detected. Also, they each screen for the absence of a specific protein, rather than loss of the GPI anchor, and therefore there is the risk of false negative results. Since FLAER binds to the GPI anchor itself, only PNH cells, which lack the anchor, will be negative. And since FLAER binds with high affinity, very small PNH populations can be detected.

Available in 25 ug FL1S-C and 50ug FL2S-C pack sizes.

In stock at BioScientific - sales@biosci.com.au for pricing and orders.

A few of our other popular agencies – for enquiries on any products from these Companies, please email: info@biosci.com.au Please visit our website for additional agencies - www.biosci.com.au



** RADIO LABELED CHEMICALS





** IMMUNOGOLD REAGENTS FOR LIGHT AND ELECTRON MICROSCOPY



** OSMOTIC IMPLANTABLE PUMPS - BRAIN INFUSION KITS & CATHETERS



** CANNULA'S & TUBING - ELECTROPHYSIOLOGY PRODUCTS



** HISTOLOGY, MICROSCOPY, MICROBIOLOGY PRODUCTS, POLYMERS & MONOMERS,

LABELED PARTICLES



** HIGH PURITY ACTIVE PROTEINS, TRANSCRIPTION & PRO ASSAYS KITS.



** TO DATE SYNAPTIC SYSTEMS OFFERS ONE OF THE LARGEST COLLECTIONS OF ANTIBODIES AGAINST SYNAPTIC PROTEINS AND A GROWING PANEL OF ANTIBODIES FOR CELL BIOLOGY



** DNA DAMAGE & REPAIR - OXIDATIVE STRESS — APOPTOSIS - COMET ASSAYS, CELL INVASION ASSAYS



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