

NEW PRODUCTS

Antibodies

**Androgen receptor antibody**

DAKO (Carpenteria, CA) offers an antibody against androgen receptors, an intracellular protein that mediates biochemical actions of physiological androgen steroids and testosterone. Androgen receptors are expressed in the majority of prostate, breast, and ovarian carcinomas. The antibody, AR441, can be used on formalin-fixed, paraffin-embedded tissue sections using detection systems such as DAKO's LSAB+, and for labeling acetone-fixed cryostat sections or fixed cell smears.

Tel: +1 805 566 6655

Fax: +1 805 566 6688

<http://www.dakousa.com>

RSN: 1091

**Antibodies STAT**

Signal transducers and activators of transcription (STAT proteins) play key roles in signal transduction pathways activated by cytokines and some growth factors. Zymed Laboratories' (South San Francisco, CA) monoclonal STAT antibody sampler pack includes eight mouse monoclonal antibodies (15 µg each) that are reactive with human STAT proteins, and most also recognize the corresponding mouse and rat STAT. The highly purified antibodies can be used for ELISA, Western blot analysis, immunoprecipitation, and gel mobility shift experiments.

Tel: +1 415 871 4494

Fax: +1 415 871 4499

<http://www.zymed.com>

RSN: 1092

**T-cell isolation**

From Dynal (Lake Success, NY), Dynabeads M-450 Pan T are uniform, superparamagnetic polystyrene beads coated with a primary monoclonal antibody specific for the CD2 membrane antigen predominantly expressed on human T cells. A short, 20-minute incubation with cell samples ranging from whole blood to gradient-isolated mononuclear cells yields a Dynabead:target cell complex that is rapidly isolated using a magnet. The extremely pure (>99%), viable (>95%), and phenotypically unaltered CD2+ T cells may be used in a variety of assays.

Tel: +1 516 326 3270

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RSN: 1093

Cancer polyclonal

A new affinity-purified polyclonal antibody from Autobioclear (Calne, UK) is reactive to the *p53* gene in rats and mice, and can be used for Western blot analysis, immunoprecipitation, and immunochemistry. The *p53* gene, linked to tumor suppression in rodents, has a "gatekeeper" function that has been difficult to characterize because of limitations in antibody specificity.

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RSN: 1094

History for histones

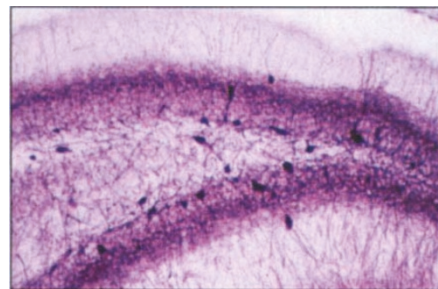
Serotec (Oxford, UK) offers a range of antihistone antibodies that recognize histones that are acetylated at specific sites. These allow the acetylation of histones to be studied in the context of transcription and DNA replication and repair, together with the associated implica-

tions to cellular function. The antibodies are available as rabbit polyclonal antisera in 0.1 ml quantities, and are suitable for use in Western blot analysis and immunofluorescence.

Tel: +44 1865 852700

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RSN: 1095

**Calcium binding protein antibodies**

Antisera against the calcium binding proteins (CaBPs) parvalbumin, calbindin D-28K, and calretinin are available from INCSTAR (Stillwater, MN). These proteins are specifically expressed in neurons in the central nervous system and some peripheral organs; they are believed to act in a buffering capacity by binding intracellular calcium. The parvalbumin and calbindin D-28K antibodies were generated in rabbits against purified rat muscle parvalbumin and bovine cerebellar calbindin D-28K, respectively. The calretinin antiserum was produced in rabbits in response to a chick calretinin fusion protein. All CaBP antisera have been characterized as specific to their respective proteins.

Tel: +1 800 328 1482

Fax: +1 612 779 7847

<http://www.incstar.com>

RSN: 1096

Picking out cells

Fluorochrome-conjugated antibodies are available from Miltenyi Biotec (Bergisch Gladbach, Germany). The fluorescein isothiocyanate or PE-conjugated antibodies were developed for the evaluation of MACS magnetic cell separation, but can also be used for staining of unseparated cells. They are ideally used for flow cytometric or fluorescent microscopic analysis, even with large numbers of cells. Optimized for 100 tests of up to 107 cells, the high specificity of the antibodies allows the identification and enumeration of individual cell types.

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RSN: 1097