



La “cassetta degli attrezzi” del Citofluorimetrista

Versione 2015/02

Ecco una carrellata di reagenti ottimizzati per essere utilizzati in combinazione in modo che i vostri esperimenti proseguano senza intoppi.

eBioscience offre una serie completa di prodotti per la citometria a flusso, rigorosamente testati e largamente citati.

- Cell Separation
- Cell Treatment
- Blocking
- Cell Status
- Performance Control
- Cell Staining

Abcam
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Acea
Affymetrix eBioscience
Affymetrix Panomics
Bender MedSystems
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Carl Roth
Chemicon MerckMillipore
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Horizon Discovery
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KPL
Oxford Biomedical R.
Oxis - Percipio
RayBiotech
Serva
Source BioScience
Spectrum
Upstate MerckMillipore

Modalità promozioni:

Le promozioni non sono cumulabili con altri sconti in essere e sono valide su tutto il territorio nazionale. Il listino riportato è al netto d'IVA e può essere soggetto a variazioni. Per informazioni o per ricevere copia delle promozioni scrivere a ricerca@prodottigianni.com.

Condizioni d'ordine:

30,00 € di spese amministrative solo se l'ordine è inferiore ai 250,00 € (IVA esclusa). Nessuna spesa aggiuntiva per ghiaccio o ghiaccio secco. Per poter usufruire delle promozioni è necessario indicare il codice corrispondente in fase d'ordine.

800-832027

ricerca@prodottigianni.com



Cell Separation

Magnetic sorting

MagniSort™ is a column-free separation platform for T cell enrichment; simpler, faster and with significant cost-savings compared to traditional column-based separation methods. Start your experiment with T cell-specific cocktails and a system that yields less noise in your final result.

[View a full list of MagniSort™ Cell Separation products](#)

Red blood cell lysis

Removal of red blood cells is necessary prior to using cell suspensions for flow cytometry and functional assays. eBioscience provides cell lysis buffer containing ammonium chloride, which are suitable for use before or after staining with antibodies in multiple species.

[View our 1-step Fix/Lyse Solution \(10X\) products](#)

[View our 10X RBC Lysis Buffer \(Multi-species\) products](#)

[View our 1X RBC Lysis Buffer products](#)



Cell Treatment

Activation/Neutralizing Antibodies — Functional Antibodies

The term “functional antibody” refers to those antibodies which can either mimic or interrupt the natural biologic effects associated with ligand-receptor interactions. eBioscience offers an expansive list of Functional Grade Antibodies which may be used for activation, neutralization, and/or blocking studies. These reagents are provided in appropriate buffers containing extremely low endotoxin levels, and are sodium azide free for use *in vivo* or *in vitro* applications.

[View a full list of functional antibodies](#)

Recombinant Proteins

Quality proteins for functional and bioassays, as well as for cell culture maintenance, proliferation and/or cell differentiation. Over 300 recombinant proteins available in multiple formats, including carrier-free options that surpass the industry-standard endotoxin specifications for *in vivo/in vitro* applications. Specialty proteins are available for stem cell and tumor biology.

[View a full list of recombinant proteins](#)

Animal-free Cytokines and Chemokines

The SAFE™ (Serum and Animal-Free, low Endotoxin) system uses the barley endosperm storage cell, characterized by its biochemically inert environment and lack of endotoxins, as the production host. Further advantages of this system include low protease activity and secondary metabolite content and simple protein content, all of which aid in downstream processing.

Plant expression produces recombinant proteins with highly complex 3D structures in the same way mammalian cell cultures do, including disulfide bonds and other post-translational modification resulting in proteins that are as active as their counterparts produced in CHO or similar expression systems.

[View a full list of SAFE™ Cytokines and Chemokines](#)

Cell Stimulation Cocktails

Cell type and experimental procedure are important factors to consider when stimulating cells. Stimulants can induce a variety of surface proteins, transcription factors, chemokines, cytokines and growth factors. One commonly used stimulant is a combination of PMA (phorbol ester activates protein kinase C) and Ionomycin (calcium ionophore). eBioscience offers a cell stimulation cocktail, which includes both stimulants.

[View our Cell Stimulation Cocktail products](#)



Cell Blocking

Fc Receptor binding inhibitors

High background reduces data quality, making analysis difficult, but by using human Fc receptor blocking reagents or Anti-Mouse CD16/32, optimal staining and signal-to noise ratios can be achieved.

[View our Fc Receptor binding inhibitor \(Functional Grade\) products](#)

[View our Anti-Mouse CD16/CD32 Functional Grade Purified products](#)

[View our Fc Receptor binding inhibitor \(Purified\) products](#)

[View our Anti-Mouse CD16/CD32 products](#)

Protein transport inhibitors

In order to stain cytokines, chemokines and other intracellular proteins it is necessary to block secretion, preventing movement through the secretory pathway at the endoplasmic reticulum with Brefeldin A, or at the Golgi apparatus with Monensin, which allows accumulation to reach detectable levels.

[View our Protein Transport Inhibitor Cocktail products](#)

[View our Brefeldin A Solution products](#)

[View our Monensin Solution products](#)



Cell Status

Fixable viability dyes

Excluding dead cells from data is recommended for all staining protocols to ensure accurate data. Dead cells can be “sticky”, resulting in non-specific binding, which causes high background staining and false positives. Gating based on forward and side scatter (FSC/SSC) is not a reliable method for distinguishing dead cells. Viability dyes ensure dead cells are removed from analysis, thereby reducing non-specific binding and background in addition to better peak separation. eBioscience offers several options for ensuring only live cells are analyzed, such as DNA-intercalating dyes, enzymatically sensitive dyes and fixable viability dyes.

eFluor® fixable viability dyes:

- Ready-to-use format
- Excludes dead cells easily
- Improves data quality

[View a full list of fixable viability dye products](#)

Cell proliferation dyes

- Excellent dye distribution
- Compatible with GFP
- Lyophilized

eFluor® cell proliferation dyes are membrane permeable fluorescent dyes bound to cellular proteins containing primary amines, which can be used *in vitro* or *in vivo* and visualized for up to 7 generations. Fluorescent dye binds to cellular proteins and is evenly distributed between the daughter cells as they divide. eFluor® cell proliferation dyes are supplied in a lyophilized format, that once reconstituted are stable for 6 months.

[View a full list of cell proliferation dye products](#)

BrdU reagents

BrdU is a synthetic analog for thymidine, integrated into DNA during S-phase. BrdU incorporation is measured using an Anti-BrdU antibody showing at least one round of S-phase has been completed. 3H- thymidine-/MTT assays are a sensitive and accurate way to measure overall proliferation, although information is unavailable as to which cells have gone through S-phase. A specific instrument is required for reading results, while BrdU is evaluated using a standard flow cytometer. The eBioscience BrdU Proliferation Assay is simple and easy-to-use with few steps, faster results and a room temperature fix/perm protocol. The BrdU assay is compatible with staining both surface and intracellular targets. The BrdU Staining Buffer Set is optimized for use in the proliferation assay, enabling improved BrdU staining and consistency.

[View a full list of BrdU reagents](#)



Performance Control

Compensation beads

Using controls in your research ensures data accuracy and provides reassurance to review committees, resulting in less chance of paper rejection, faster approval times and greater opportunities to publish. Every laboratory should perform compensation with beads or cells to ensure accurate mean fluorescent intensity is attained. While using cells for compensation can be a good choice, beads are a great alternative when the cell source is limited or the antigen of interest is expressed at low levels or on a rare subpopulation of cells. UltraComp and OneComp eBeads® ensure accurate compensation with a guaranteed negative and positive bead population.

[View a full list of compensation beads](#)

Isotype controls

Selecting the appropriate isotype control is an important element in flow cytometry experiments. Their purpose is to determine background staining and confirm specificity of the experimental antibody. It ideally matches the host species, isotype and conjugation format, in an effort to mimic the non-specific characteristics of the experimental antibodies used. Isotype controls are developed to assess levels of background staining inherent in cell binding assays. They are a good place to start when optimizing flow cytometer settings and establishing a data range for general autofluorescence from a cell labeled with a conjugated antibody. An isotype control antibody is expected to show low levels of staining on a particular cell population, however sometimes during intracellular staining experiments there may be higher levels of non-specific fluorescence. There are several potential reasons for inconsistent staining, from inherent differences in the amino acid composition of the two antibodies, to the different amount of fluorophore conjugated to the isotype control versus the experimental antibody, often referred to as fluorescence-to-protein (F/P) ratio. Activation of cells may also alter the staining patterns of isotype control antibodies. Therefore, using unstimulated cells is recommended, or an inherently negative population in a heterogeneous cell preparation as a more relevant negative control, when staining intracellular targets.

[View a full list of isotype controls](#)



Cell Staining

eFluor® Organic Dyes

eFluor® Organic Dyes are fluorescent dyes for use in multiple applications, including multicolor flow cytometry and immunofluorescence microscopy. To enable ease of fluorophore selection, all eFluor® Organic Dyes are named for their emission wavelength and they are fully compatible with eVolve as well as all conventional dyes.

[View a full list of eFluor® organic dye products](#)

123count eBeads™ for flow cytometry

Add beads. Count cells. Simply quantify cell concentration.

123count eBeads™ enable quantification of absolute cell numbers by flow cytometry. This single-platform approach allows users to rapidly count cells in conjunction with flow cytometry experiments at an affordable price.

Advantages over a hemacytometer and other cell counting instruments: A. faster quantification of cell concentrations; B. Combine with antibody staining to count cell subsets in a heterogeneous sample; C. Add a viability dye and count only live cells

[View a full list of 123count eBeads™](#)

Buffers for cytoplasmic staining

[View our Fixation & Permeabilization Buffer \(Brefeldin A\) products](#)

[View our Fixation & Permeabilization Buffer Sets](#)

[View our Permeabilization Buffer](#)

[View our IC Fixation Buffers](#)

Buffers for nuclear staining

[View our Foxp3 Staining Buffer](#)

[View our Fixation/Permeabilization Diluent](#)

[View our Fixation/Permeabilization Concentrate](#)

[View our Foxp3 Fixation/Permeabilization Concentrate and Diluent](#)